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gagttgctgg	aggcggngat	caacgtgacg	gtgtataatg	gacagctgga	tctcatcgta	360
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aatatgttca	tgatgttgca	caatcatcac	ctgtatctag	ttccaaaaca	tattcatcac	360
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an						362
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caaatggagt	tgagaaaatt	ggatatccac	atgcaaatga	agaaaatcga	atctttatct	240
gacataatac	aaaaaatcaa	ctcaaaatgg	attaaaagaga	tggcataaga	cctgaaactg	300
taacactcct	agaagacaat	gtacagggaa	agctccatgg	cattgggtctt	ggcagggatt	360
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cagaagggtta	cggctgcgag	aagacgacag	aagggtacgg	ctgcgagaag	acgacagaag		300
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gggtacggct	gcgagaagac	gacagaaggg	tacggctgcg	agaagacgac	agaagggtac		300
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<210> 1619	<211> 429	<212> DNA	<213> Homo sapien				
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<210> 1624	<211> 318	<212> DNA	<213> Homo sapien		
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<210> 1625	<211> 309	<212> DNA	<213> Homo sapien		
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<210> 1630	<211> 361	<212> DNA	<213> Homo sapien		
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<210> 1641	<211> 363	<212> DNA	<213> Homo sapien			
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tgataacatt	tgttacttta	tttttaataga	tttttttaca	gtagttatga	cagtagggtg	240
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gatatagatc	ctagtgtgcc	agaagatgaa	aaaataattg	aaccaataga	ggatatgggtg	240
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ttctactaaa	atccacccgt	gatgaaacac	attgtagagt	tgggacaacc	cccaactaaa	300
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<210> 1646	<211> 369	<212> DNA	<213> Homo sapien			
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<210> 1647	<211> 366	<212> DNA	<213> Homo sapien			
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aggtcgacag	cgtgagactt	ctccgcccgc	tcgcccgcag	acgccgccc	gatgcgctac	300
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gaaagccttg	ggaagatggt	ggaatcatcc	attcctgaaa	atgaaagtct	tctgtttatc	300
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accaacaacg	accaagctga	gaatcaaate	aagaactcat	ttccttttac	aacagctgca	300
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<210> 1846 <211> 400 <212> DNA <213> Homo sapien
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gagtatccat ttgacttggg aaacatcatt tttcggatgg tggatgttgg tggccaacga 180
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<210> 1847 <211> 695 <212> DNA <213> Homo sapien
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cttcgtgggc taagccaaga ccttccggga acattgaggg taaccaaac taatctcttt 600
gaaggacctt aggggtggtg actctaactt gtttagggg ggcccaaaag actgctctcg 660
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<210> 1848<211> 412<212> DNA<213> Homo sapien
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240cattctagga tgaataatct atgttaaggc cgggcgcagt ggctcacgcc tgtaatccca
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412

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240aattagagtt tatgaatact acagtaatac aagccttcac tctgtaatg tttttgtgct
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390

<210> 1850<211> 395<212> DNA<213> Homo sapien
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300tggttgccc cctgttctc tctgtggcg cccccctt caggggtgag cgcgcacaca
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395

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120ctaactttcc atcttccact tttccagtg gtggccatgt tccccgggt gccttcacaa
180aaaccttgtg aataatacaa gccatatgga ctctgattta cagtttagaa gatgagcaga
240ggtgggtgtg agttgccag tcatgttgct agttgttgaa gaaactacga ttgttctcag
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395

<210> 1852<211> 405<212> DNA<213> Homo sapien

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120atgttaaaaa tcgaaaaatg ggccaggcgc agtggctcat gcctgtaatc gtagcacttt
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405

<210> 1853<211> 406<212> DNA<213> Homo sapien

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300tctaggatga gtttctttag agggagctcg aattcctcct ggtattatcc cctgcccc
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406

<210> 1854<211> 408<212> DNA<213> Homo sapien

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408

<210> 1855<211> 396<212> DNA<213> Homo sapien

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396

<210> 1856<211> 402<212> DNA<213> Homo sapien

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300tggcaaaaa aaacggtgaa aaaaagccta aggcgcggaa accggacct taatggccgg
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402

<210> 1857<211> 394<212> DNA<213> Homo sapien

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394

<210> 1858<211> 402<212> DNA<213> Homo sapien

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300aaccttaagga aaagttggcc aagtacacag gaaagttcta ccacaccta atatagagaa
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402

<210> 1859<211> 159<212> DNA<213> Homo sapien

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159

<210> 1860<211> 403<212> DNA<213> Homo sapien

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120ttacgtttat ttattttgaa aaattttcaa cctatagaaa aattgaggca gtaccatagt
180cttagtccat tttccattac ttagaatate caaaagttag taattataa agaaaattaa
240tttattttctt acagctatgg aggccaaagg cgaggggaca tatctggtca gcgctttgcc
300atgttgggtca ggctggtctc gaactcctga cctcaaggcc tgccttggcc tcccaaagtg
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403

<210> 1861<211> 402<212> DNA<213> Homo sapien

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240ccaccatgcc agagtaattt ttgtattttt agtagagatg ggttttcgcc atgttgacca
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402

<210> 1862<211> 440<212> DNA<213> Homo sapien

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440

<210> 1863<211> 413<212> DNA<213> Homo sapien

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413

<210> 1864<211> 408<212> DNA<213> Homo sapien

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408

<210> 1865<211> 389<212> DNA<213> Homo sapien

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389

<210> 1866<211> 398<212> DNA<213> Homo sapien

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398

<210> 1867<211> 410<212> DNA<213> Homo sapien

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410

<210> 1868<211> 387<212> DNA<213> Homo sapien

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387

<210> 1869<211> 405<212> DNA<213> Homo sapien

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405

<210> 1870<211> 403<212> DNA<213> Homo sapien

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403

<210> 1871<211> 401<212> DNA<213> Homo sapien
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401

<210> 1872<211> 385<212> DNA<213> Homo sapien
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385

<210> 1873<211> 404<212> DNA<213> Homo sapien
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300gcttgaaaga gcacagccca aataaaacaa ggactgacta ggtgtaatga aataacctgt
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404

<210> 1874<211> 401<212> DNA<213> Homo sapien
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401

<210> 1875<211> 397<212> DNA<213> Homo sapien
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397

<210> 1876<211> 465<212> DNA<213> Homo sapien
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60agcggcacta tctcagttta ctgcaacctc cgccttctgg gtgcacgtga ggctcttgcc
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180ttttttaaata gagacggggt ttcactgtgt tggccagggt ggtctcgaac acctgacctc
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465

<210> 1877<211> 388<212> DNA<213> Homo sapien
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120agcaaacata agacattttt agcacacctc tcttttaata gtactattct tgtgtggcaa
180gtactattct tgtgtgacaa gagaactact gagccacaga gtgacgatca aaagctaggg
240gtggaataaa ggtgtacaaa ccagctttgt gaccttgtgc aatcactgca cctgcctggc
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360gacgattaag agttaatata gaacttag
388

<210> 1878<211> 429<212> DNA<213> Homo sapien
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120gacaaagaat caagtgttcc tttcaaccag ccaagggact ggtgttctcg ctgacctttt
180gacagctcca gccggctcct cgcttcgagg tccctgactt cctgcaacag actgagatgg
240cctttctgagc ttttccaggg ctgacgacca ccttcttgat accttccct ctctcgatct
300gaatccgtgc ccaccagatg gggccgtcta gttgcaggaa aacaagctca gggctccac
360tgattctaca tgatgggaat ccaggcttct ggagatgagg actgggaggt cccccacca
420cacaagcct
429

<210> 1879<211> 433<212> DNA<213> Homo sapien
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60ctgggctgga aggttccata actggccagc tgccccata actggcagca tccccagacc
120cagggtactc taataggggc ggctcaggca ctgagactac cgctcaacc cagggtggtt
180ttcaggagtc cgaggtagcc ttcaatcact ggaactccatg gccttccctt cgtgttgacc
240ggaccttctt tccagggtct ttcctttggg ggaggcggag aggggagaag aaggaaagga
300agggcagaag gaaggagga agaaaagaaa gcaaaggaac agaaggaaag aaagaaagat
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420ccatcaccag ccn
433

<210> 1880<211> 422<212> DNA<213> Homo sapien
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120aggagagggg gtgggttccc ccgagggcta tcccaccgat ggggctgaga gcttaactcg
180gggttttatt tgaattggag acattgttcc ctcttcgctc ctctaccca taaaattccc
240tacaatgca aaaattccag atagaagaag ccgtccctga aagtaagttc tgaaggattc
300ctttcatgcg gtgaaggaa aacaacaata ttcaacttca ccttggtgtg tgagggtcga
360cgtgctttac aacactatcc ctgtagaaag attactgaaa tgtattggaa gaagtagtgg
420ag
422

<210> 1881<211> 418<212> DNA<213> Homo sapien
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120ttgggaagtt ttatggggga agaattttta aactaaagcc ctttaggggtg gcggggcttt
180ttaataatcc cgttttttac aacctgggca aaaaaataaa accccctttt ttaaaaaaag
240aatttggcca aaacaagggg ccttaaccct tgaatcccaa ccttttgggg ggggtggaccg
300gaaccatttg agtaagaat ggggaaacag gccttgacaa aaaagcgaag acccattttt
360tcaaaaacca aaaaggtaaa aaaaaattgg gtacgggggc ccagccctgg aaacccaa
418

<210> 1882<211> 417<212> DNA<213> Homo sapien
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60ccatttgttg aaagtaacat ttctctctct ctctctttct atttttctt tttcaaaagc
120aaacattggg tggggaagg gtcaaagcta ctttttgccg tattgggttt tttggccacc
180cttccctttt ccaatggaag gccaggtaaa aaaaaccgcg ggaggggcgg ctcatTTTTT
240taatttttaa aaaagggggc cccaggggtg caaggcaata aaattggaaa tgaccctttt
300gagaactttc gtttttgctt aaaaaacagc gggttgatga gaactcaaaa acctaaaaaa
360gatttttagtc aaaggagggg ctctttttct caccggacct ttaaaaaaaa aatggcg
417

<210> 1883<211> 393<212> DNA<213> Homo sapien

ggcacgaggt gagctcttgg caggacctaa acctccttgg aagataggca gaaagctctc
60gacaccattc catggccac gaaccaatgt aagatgagca aatggcttga aggaattgct
120acctccaggt caagccagg atgcagcact gccgagacca cgtttgtgcc aagcactggg
180ctggaccctg tgcagaacca aatgaacaag gcacgttccc ctttcagcac taacggcact
240gtaagaacag ggagaagtgg aatctaactt ggcctgaggg tagagggtga tcagctaagt
300ctgaaacacc atgtaaaaac ttgccatgta tggcgggcg cggtggctca cgcctgtaat
360cccagcgctt tgggaggcca aggtgggcgg atc
393

<210> 1884<211> 185<212> DNA<213> Homo sapien

cgctctcatt gattagtga acggaccttc caaacctggc ttataagaag ctaaaaggca
60aaagtccagg aattatcttc atccctggct atctttctta tatgaatgg acaaaagcgt
120tggcgattga ggagttttgc aaatctctag gtcacgctg cataaggttt gattactcan
180gagtt
185

<210> 1885<211> 392<212> DNA<213> Homo sapien

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60cagcccagaa catcttttta cctgctctga agatggatcc ctctggcact gggatgcttc
120cacagatgta cctgaaaagt cgtcactctt tcacCaagggt aaaacttttt aatgaatact
180gttatgtgta cttttttttt ttttttttaa aacaaagtct ctttttatcc cccaggctga
240aaggcagggg cccaatttcg gtttaattgaa acctccgct ccgggggttaa agcaattttg
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360tttttgtttt ttaaggggaa aggggggtccc ct
392

<210> 1886<211> 413<212> DNA<213> Homo sapien

taaggccac agcacatata gactgactgc gatattctat tttcatggca gggagtgate
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120aggcagtttc agactcactc aagttgtctc ttgacagtca ctctaaatg ggttctaagt
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240gaaggacagt ggggctgtac ctagaatagt ggttctcgaa gaatgcggcc tgcagatcct
300gggagtccta agacccttc agggaggatc tgtgaggtca actgttggca ctgtggcatg
360aatcaagggtg gtggcagcaa acttctagta gttttgatat gtccttgata gan
413

<210> 1887<211> 387<212> DNA<213> Homo sapien

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120cataataacc ccagcgtgtg ttaacctaca gattgtcct taaaactcaa ttgcttttagc
180agcttttaag atcctcccca tcccttacta ctacctttt aggctgtata tcattccagc
240cctaagctcc agagagcctg gttcaaatgg acactacagt ttttccatg cgtatttaat
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360tgctggcag gttcacagat cataaat
387

<210> 1888<211> 422<212> DNA<213> Homo sapien

tgacagagga gagagagaga gagagagaga gagatagaga gagagagaga gagagagaga
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120gagagagaga gcgagcgaga gagagagaga gagagagaga gagagagtga gcccccccc
180ccccccgcac ccatgtgccc ctgtgtgttt tttgtgttc gggccctgt ccccccccg
240atctgttctt ttctatccat ccacatgctt gtgtgtgtat cctaaccacc agagtctga
300cttccagagc tcacttttcc ttattgcttg tgtgggcga cgcctttttt tcttcttat

360gtctagaccc acgctctctc tccttgtatt ccctgcgttg ggctgaggac accccgcacc
420ct

422

<210> 1889<211> 410<212> DNA<213> Homo sapien

ggcacgaggt gaccttgcca tgcattcatat ctgcaggcac gagatatcac agtgtcctgc
60tgaggatagt catttgata tcttatttaa agtgggtgtct gtcaagcttt cccaccgtag
120gttgcctctat ttcctttgaa atgaacaagt aattgtgggg cgattttttc ggactatatt
180catatgtttt gactcatcaa attgtcacct cctagattgg gcatgcattg atgattctta
240cccaagtcaa gtattattac aatgggtgtc agatggcaat cttctaattt catttgtgca
300tctgcgcca tcaattggca ttctacgaaa atatggagcc gtctgagct tgcattacct
360tgtgcaagag ctatggctat gctgagcttc tccacatatt tacaactatg

410

<210> 1890<211> 402<212> DNA<213> Homo sapien

ggcacgagat atctctacaa ccttgtctcc acaagttatt aatgaagtgt ggcaagaaga
60aacaattggg cgtctactac aacttgtaga cttccactt cttgactcct tactgaaaca
120gcaagaggct gtacctaaaa ttctcaacc taagaggcag tccaccatgg tcaacagcag
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240ctcggcagca attgactgtt tagaatacct tccagaccaa atgggtgggg aaataagcag
300aagctttcct gagcaaccag accgaacaga cttagtgaag gaacttctgt ttgatgccat
360tggcagatat tacagtagta gggaaacctt gttaaatcac tt

402

<210> 1891<211> 412<212> DNA<213> Homo sapien

ggcacgagcc gtgttaggct tcgctggcgt aaagtcccc ggagctttgc ccctcacgga
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120acggaaaagg ttgtgggttag gcccttgga aagttgcgac aaaactcgag ttagacaagg
180aagggtcgga ctaagtggcc acagcaacaa tgcaccagca agcagggagc gtgataggaa
240gagctaaaga ggaatcgga aacctggag atgggtttca ccatgtttcc cagcctgtc
300tcaaactcct gacctcaagt gatccgccgt cttgggtctt cgaaagtgtc gggacagcag
360gagtgaacca ccgcatctgg ccggaagggt gttttggagc gtagaaaaat gg

412

<210> 1892<211> 399<212> DNA<213> Homo sapien

cgttgctgtc ggatccatgt ggaacagagc cagctggggg gttgggcagc tctctcaaag
60gcagtaccta gagccagct gaacaacaag gctttgggtg tgaagggact cccagcctg
120gagaccctat ttggctgaaa cagttacaaa atatcaaatg tgtgtcaga tattcttcca
180attgttcaca tagctgggat atttgttgc cccctcacc cttggattat gtagggagcc
240agtgcacaca gctgtttgt tttagtatcc aaggagaga ccaaggagcc agctggcggg
300aaggggtggg gtgtgcaanc tgccctgtcc ttctgtcat aacctgacaa aatgccaaac
360tagcaagcag gatagctgat accacggcta tgagggagt

399

<210> 1893<211> 394<212> DNA<213> Homo sapien

ggcacgagag agagcttacg aggtttgatg tactttgact acttgactca ttctttaata
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120acataaaata aatgtacgca ttaaggagcc gcacgatgat aagggaagga aaatattaat
180attatgaagc cgggttccag tcgcattgct tgatgtgagc catatattta gctctcagcc
240tcctgggttg cacagcaaaa aggcacacgt gaatcacata gtgtagacga agaataaaac
300acttcttgc catgggggtc atccagagcc tcacaatgtt tacagatgtg tctgactcat
360aatgtgagtg ctggctccta agatccacaa aggn

394

<210> 1894<211> 162<212> DNA<213> Homo sapien

atgttaaatg gccagttaac cactgggaga gcatccggac agacgtttcg ccaagatggg
60tgggaatggc agttaaccac tgggagagca tccggacaga cgtttcgcca agatgggttg
120gatggccagt taacctgag gagagcatcc ggacagacgt tt

162

<210> 1895<211> 396<212> DNA<213> Homo sapien

ggcacgagcc aatgagctac tcctgacact aatggagaag tgtgccctca tggaaagccct
60ggttctcatt agcaaccaat ttaagaacta cgagcgtcag aaggtgttcc tagaggagct

120gatggcacca gtggccagca tctggctttc tcaagacatg cacagagtgc tgtcagatgt
180tgatgctttc attgctgatg tgggtacaga tcagaagagc tgtgacccag gcctggagga
240tccgtgtggc ttaaaccgtg cacgaatgag cttttgtgta tacagcattc tgggtgtggt
300gaaacgaact tgctggccca ctgacctaga agaggccaaa gctgggggat ttgtggtggg
360ttatacatcc agtggaatc caatcttccg taacc

396

<210> 1896<211> 409<212> DNA<213> Homo sapien

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60aagcactact catatccttt aaactaaatt ttgccaaagc ccgagacaac attaaggaga
120aattgtacct taagttagta attccaaatc tatctgagtt gtatacccat caaagacaat
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240aggtgaaaga taactgtagt caggtgaaag gcattcatta tttttaagct gaaaagggga
300tccttgaaaa cactgaaaaac ctctacaaca atcttcagga agcctgctat cttgggattc
360actaataata ggccaagaac aaaggcgagc atccattcct cactccacg

409

<210> 1897<211> 433<212> DNA<213> Homo sapien

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60tttggaagcc ttgagttcag aatctgctgc tctggaatat ttcccttcga tcttatctca
120gtcacttcgt ttttgagaag agtgatgcct tgggcatgct tttttttttt tcttttttaa
180aaaacagggg gttgaagccc accctattta aaaaccccc cttttggaga attacaaggg
240ttttgtcctg aattggaggg tgggcaagcc caagccactc gggctaactg gtttttgtct
300cgnggctat tccaagaaca aaaggaggaa gttggcccat taccgggggt gtccctggat
360gttggttggg ggcgcgtgcc tttcaaaaac cccgccaaa aacaaccgg gaagggggag
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433

<210> 1898<211> 399<212> DNA<213> Homo sapien

ggcacgagga aggcctaccg acttacttta tcattgaggg cttactgata caatgaaatg
60agtttcatga cttttttttt ttttaacccc tttttgaaaa aaaggggggt gggttaaaaac
120ccaaaaatat ccttgttgct tttgaaaaga aggcattgaa acaaaccttt ttgtagccag
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240aaggccggtt tgggggtaac ctgaggggga cacaggccct gggggggggc ggttttttta
300actggttacc cgggcccata ggcagacttt taaaaaaaag gtccttgaag ggggatgtgc
360aaagacatgc gggcccgccct aaaagcgagg attaaaaan

399

<210> 1899<211> 417<212> DNA<213> Homo sapien

ctgtcccccac tgtctttttt tgtttttttg ttacaaccct taaaaaacgg gcttgccatt
60ctcaccceaa gcttcattgt acacaagccg cagcagccag actgtagctt gccaacctt
120gctagaccat tgctcttcat gttcaaaactg ccagtcagga gcacaaggac caggaagtgg
180cctgacttgg ccaggaccac tcagcccatt acagttagga ggagcgcca gatctcagcc
240ccatccactt ggggaagtcag gagaggcagt gaacacatca cctgaaagtc agaggtcttg
300cgaaatcacc accaaagcat gtatttgtac aggtaatagt gctgagagtt caacagagga
360cagggagaag gtgaactgtg aagactgtgc agggagggag gacagccact caggag

417

<210> 1900<211> 401<212> DNA<213> Homo sapien

ggcctcagaa gctctgggtg tgccagagga cccccagaac taacaaggga gggcgagtgg
60gtctccattc cccgagaagc caggggcagg gtgggatggg gaagaccagg agcagagtcg
120agcctcacag aagccagcgc gggctctctg tcagcaccac agccggggct ctggaccag
180ggtaacagcc ccagttcatc ccaaccctc tcagagcctc aagaggggta gctcggctgc
240cggaagagag gggagcccta tccctggcaa cccctccacg tagcgtaccc cagcacctgc
300caccggcttt gccatttctt tgagcttgaa gttaactctc ttagagtcta actgtggttc
360atttctgcac aggtacaata gatgacttta tttgtttaga a

401

<210> 1901<211> 407<212> DNA<213> Homo sapien

tttcagttca ctttatttac tatgacacat actttcagag tcttagatgt gctgtcatcg
60agttcccagg ccatcgtca cactcatcag cctctgcgg ccagtgtccc cacctcctgc
120catgtttccc tagtagcttg gtctttatcc agaactgtga ggctgctgtg ggggtgcagcg

180tccttaggag ggtcctgctg gagcagtggc cctaagtgag tctggactgt gtgaggcacc
240ccagccctcc acggcaaggc cggggcctgg ggggtgctgg gcctgtgtgc agcctgaagg
300ctgccctctt gctgccttca gcgagtggga agctggtcag aggggtgggc actcctctgg
360gctccgccac ctcttggcac accccatttg gtctctgtcc actcctg

407

<210> 1902<211> 407<212> DNA<213> Homo sapien

ggcacgagca ttatatata tactatata ttcatatatg tatttcagga atttatagac
60cagacattca tatatagatg cggaggtata tatgagcgcg tgtgtatata cacatatata
120tttatacgta tatacgtata tacatatata cacatatata cgtatatatg taaacgtata
180tatcacgta aataaatata ttatatata cgtatatacg tatacacata tacacatata
240tacgtatata tgtatatata cgtgtatatg tatgtatata tgtatgtata tatacgtaca
300cacacacaca cacacacaca cacacacaca cacacacaca cacacacaca cacacacaca
360cacacacaca gagagagata cagagagata tacagagagt ttagaaa

407

<210> 1903<211> 389<212> DNA<213> Homo sapien

cgttgctgtc ggggttttggc aatcactaaa gatgcttgtt ttgcctcagc agtagaatgt
60ctgcagcaga tcagcacaaac atttacccca tcagacaaac ttaagggtcat ccagcagact
120tttgaggaga tctctcagag tgtcctggcg tcaactccacg aagacttctt gtgggtccatg
180gatgacttga ttctgtttt cttatatgtg gtgtacggg ccaggattag gaatttaggc
240tctgaggtag acctcattga ggatctaata gaccctatc ttcagcatgg ggaacagggg
300ataatgttca ccaccttgaa ggcatgttac taccagattc agcgtgagaa gcttaactag
360gctgcataac agcttgaaa ctggattat

389

<210> 1904<211> 390<212> DNA<213> Homo sapien

ggcacgagcc catctctact aaaaatttat ttttagccgg gcatggcggg gcatgactgc
60aagcccagtt acacgggagg ctgatgcagg agaattgctc gaaccacga tgcggacggt
120gcagagagtc tagatcgcca tatatatata ttctgtatata tgtatatata cacacatata
180tattcgtata tgcatatata cacacatata ttcatatata ggcatatata catatatcca
240tatgttctca taatatacga atacacctat atgctcctat atgtatatat aacatacata
300tattgatata tgtataaata atattcataa atgtatatat gcatatatac tcatatatgc
360acacatacat attcgtatat gcgtatgcac

390

<210> 1905<211> 390<212> DNA<213> Homo sapien

ggcacgagag aatgccgact acttctccaa ctatgtcaca gaggacttta ccacctacat
60taacaggaag cggaaaaaca attgccatgg caaccacatt gagatgcagg ccatggcaga
120gatgtacaac cgtcctgtgg aggtgtacca gtacagcaca gaaccatca acacattcca
180tgggatacat caaaacgagg acgaacccat tctgtttagc taccatcgga atatccacta
240taattcagtg gtgaatccta actagccac cctgcactc tctctcattg ccgtgccac
300tatcacctgt ctctctgcc gctgatgtgc cctgttgccc cccaccccat cccgcacaga
360accatccctg cattccacag gggactcggg

390

<210> 1906<211> 396<212> DNA<213> Homo sapien

tgcacgagcg ggcactcacc cggattgata tgccgtgac tggctatatg gtggggcgcg
60ggcgggtgccg ctgcgacgag ctgggtgctgt tctcacatgt ttcttttcaa tgggcttttg
120gtgtatgatg taggcgaacc aagaacagga ggaggtgatt acagtgcgtg ttactaccc
180ccgagtgcac aatgagggct cctggaactc ttatgtggat tataagatat tctccatac
240caacagcaaa gcctttactg ccaagacttc ctgtgtgcgg cgccgctacc gttagttcgt
300gcggctgata aagcaactac agagaaatgc tggattgggt cctgttcctg aacttgctgc
360gaagacaatc ttcttcggca cctcagatga tgtcat

396

<210> 1907<211> 407<212> DNA<213> Homo sapien

cttccatagc ttggccacct atttgtctca gaatacctca tctgtgttct tggataccat
60ctcacatgtc cactcttgc tgttctggg caccaatgaa gttatgcctc tgcaggacag
120catcagcttg ctgctggagg ccgtgcggac canaaatgag gagctcgccc agacatggaa
180gaggtctgag cagtgggcca ccatcgagca gctgtgcagc acagttggcg ggcagctccc
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300ggcctgtcag cactgcacgt tcatgaacca gccaggcaca ggccactgcg agatgtgcag
360cctccccagg acctagggcg cctgcccctct gctggctagg accgggc
407

<210> 1908<211> 399<212> DNA<213> Homo sapien

caagccagtc aacccgcaga agtgaatatg tactaccaga acacttacca gacaatgcct
60tacgggtcat cctatggcat tccctatagt tatacggcct atggatcatc agatgccaaa
120tctcaaaaaa cagataatac agtccctttc aaaactccca gtaatgagat gactcccgtt
180actattgatt tggtaaagaa acagcttaaa gacagggttg actccatgaa agaattgcac
240aaaacaaatc gacagcagca tgagaaacat ctgcaaagcc gagtggactc taccagggct
300attgaaagat tagaagggtc ttctgggggt attggtgaac ggtataaatt tttgcaagaa
360atgcgaggggt atgtccaaga cttgcttgag tgtttcagn
399

<210> 1909<211> 407<212> DNA<213> Homo sapien

gaagattcac agtggacaat gtttaaggag atttttagagg gcattcagta aggggtgcac
60ctgtctaagc ttttctaagg atagcagtc aatccctaat gttcttttg accagacaat
120tagaattcat ggtttaaaat ctggtaaaac cctgaaggaa tttcgtggcc attcctcctt
180tgataacgaa acaacattta cacaagatgg acattacatt attagtgcac cctctgatgg
240cactgtaaaag atctggaata tgaagaccac agaattgtca aataccttta aatccctggg
300cagcaccgca gggacagata ttaccgtcaa cagagtgtt ctacttccta aaaaccctga
360gcactttgtg gtgtgcaaca gatcaaacac ggtgggtcatc atgaaca
407

<210> 1910<211> 408<212> DNA<213> Homo sapien

ggcacgagac aggcaccaag atgtccaacc gagtgggtctg ccgagaagcc agtcacgccg
60ggagctggta cacagcctca ggaccgcagc tgaatgcaca gctagaaggt tggctttcac
120aagtacagtc tacaaaaaga cctgctagag ccattattgc cccccatgca ggatatacgt
180actgtgggtc ttgtgtgccc catgcttata aacaagtga tccgtctatt acccgagaa
240ttttcatcct tgggccttct catcatgtgc cctctctctg atgtgcactt tccagtgtgg
300atatatatag gacacctctg tatgaccttc gtattgacca aaagatttac ggagaactgt
360ggaagacagg aatgtttgaa cgcattgtctc tgcagacaga tgaagatg
408

<210> 1911<211> 392<212> DNA<213> Homo sapien

cggccgcgaa taaggattac aaggcacgt tgacctgtcc gtgctgtaac atgcgtaaaa
60aggatgctgt tcttactaag tgttttcatt tctctgtctt tgagtgtgtg aagacacgt
120atgacacccg ccagcgcgaaa tgtcccaagt gtaatgctgc ttttgggtgcc aatgattttc
180atcgcatcta cattgggtga tctaagtcaa gagaagaaga ggagctggct agtcaggaac
240ttattcatta accaccaaac ctctacctct tctctccttg actgtcacct gtaggacagt
300ttatcagtea actacctttc ctccagactt tacttccagg ctctcctctt cagtagctgg
360atgacttttag cagaaaggac tggtaaatac aa
392

<210> 1912<211> 401<212> DNA<213> Homo sapien

ggcacgaggt ctacagcctg acccagctgc ccgctatcgc aatgtgttgg aggccctctg
60gaggattata agaacggagg gcctatggag gcccatgagg gggctgaacg tcacagcaac
120agggcgaggg cctgcccacg ccctttatct tgctgtctac gaaaagttaa aaaagacatt
180gagtgtatga atccaccctg ggggcaatag ccatattgcc aatgggtgcg cggggtgtgt
240ggcaacatta cttcatgatg cagccatgaa cctgcgga gtggtcaagc agaggatgca
300gatgtacaac tcaccatacc accgggtgac agactgtgta cgggcagtg ggcataatga
360agggggcggg gcctttttacc gcagctacac caccagctg n
401

<210> 1913<211> 383<212> DNA<213> Homo sapien

cgttgctgtc gggccatttg ttttgttttg gtgtcccctt tgaagccctg ccttctggcc
60ttactcctgt acagatattt ttgacctata ggtgccttta tgagaattga gggcttgaca
120tctctgcccc aggagtagct aaagtaattg ctagtgtttt cagggatttt aacatcagac
180tggaatgaat gaatgaaact ttttgcctt ttttttctg gtttttttt ctaatggagc
240aaggactaag gaaaaccttt ggtgaagaca atcattctc tctgttgatg gggatacttt
300tcacaccgtt tatttaaatg ctttctcaat aggtccagag ccagtgttct tgttcaacct
360gaaagtaatg gctctgggtt ggg

383

<210> 1914<211> 384<212> DNA<213> Homo sapien

cgttgctgtc gcctggnttt tttttgcctc ctccctttcc cagcaccatt ttttttgggt
60tctgagaaac agcttcctcc cattacaggc accaattcaa ttaggcagga gatagtgtg
120aagggtttttg tttccatcag cttctgctgt gtaaatagta gctctgtttg aaaaactttg
180agaagttgtt gtgatgtgcc tctttctggg ttccgatccc ttctcagcct ggtgatgcc
240tggcattcaa atcaatttgt ttctcttccc ctcccctacc ctacatccat catacaaaat
300gggggtggtt gcactaatca gagatctgct tttttccccc cacagatatt ggtaaattat
360taaaaaacca taaattttct tcta

384

<210> 1915<211> 385<212> DNA<213> Homo sapien

ggcacgaggg gaccctgtc gccagatgg ctctggaca ttgcccagc gtccactga
60gcaggaactg agggcccgta aagcagcag gccaggggga cgtgaacggg ctgcctggc
120aactgcccag gacaaggccc gctccaacaa agggctcctg gncagnattt ntntttttt
180ttntttttt ttttttttt ttttttttt tntttttatt aatattttt tttatcttct
240atatctaccc ctattccccc ttttttttag gcaaaaaaag tgtaaacccc cctcttttg
300gttctggata aaaaagaaaa atgcccgcac atagggttct cctccctaata agaaaaaaa
360gccccttttg ggggcaaaaa aggtg

385

<210> 1916<211> 383<212> DNA<213> Homo sapien

ggcacgagga cctgcgcctg tgccttttat aggttctgc ccggcatatg atgcacatct
60cgacaaacga gatgaagcac ggtgcgtgcc gataaaatgg aacagatgtg gactgataag
120cggtgatcc tgtatgtgtg gggctccaac gactttctga ggcgaggtcc tatggactag
180cgtcgccctt tgcactcttg atggctcaca acgggcttgc cttctcttac tactaaccat
240tatatgtat ttgctgtccc tgcctagact ttgctccact gagtgggtca tttagggcca
300accctccctt gtgcgaggag ctcatggatg ccatgggtct tcactttgag agactgctg
360agagctcacc ggagccctg tct

383

<210> 1917<211> 384<212> DNA<213> Homo sapien

ggcacgagaa gagccagctg atatcctcgg cgaacatgtc tctcctgagt ccagaggacc
60aacaccctca acctggtagc ttctttcttg cttgtcagag ctctcagaag gtacctatag
120gagcccaagc ccagctaca tcttccactt attctgcctg attcccccaa agacaatggc
180tggaccctgc atgcaggct gggggtggaa tggggctaac cagctcctga tggcctgagc
240caggcatctt gactggcacc tggagagccc ttaagtctgt cctggctgtg gccatgccg
300acagatatcg tggggctgac aggtccacgg caggcttgct ttcttttata aaatggaagc
360tctggtacct tcaatgtatg actt

384

<210> 1918<211> 385<212> DNA<213> Homo sapien

cgttgctgtc gagcttagca aatctgggtg ttggttttgc ctgtttttaa accccctttg
60gagtctagta aggttaacca ctctggttag ttacagcttc taacaggtga ctttacattg
120gaggaagatg ttcagaaggc gtggaagaca catcttcgag cagccccagc ttctgatgat
180tttgttcac tgggttgcag acccaatctg tgtcccaggg actgggactg gccttcatta
240ccttattgac atgcttctcc cggacacaca cacacacatc acatttgcag ccatctcaat
300ttagtagagg aattacacat aacaaaaaca ctccccaaat gtgtgctgga gaacagctcg
360gagggatggg acggcctgtc gtttn

385

<210> 1919<211> 378<212> DNA<213> Homo sapien

ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagcctc
60agcaatagag tgagactgtc tcaaaaaaaaa aaaaaaaaaa accccgcaa tttttaaaca
120acccccgaaa aatttttttc gggccctttt ttttaaaaa caaggggggtt tttcttttg
180gtatcccaaa aacccactgg gggcaaggtt tggggggggg aatttttttag ggccatata
240aaattcctta gggtttttgg aaagggcaat cccggggcaa taaccctttt ttgtaaaggg
300ctaaaccctt ttttttttta ggcccttttt tttttgaaaa aggggttatt cttggccccc
360cggttaaaaa ccctggga

378

<210> 1920<211> 379<212> DNA<213> Homo sapien

cgctgctgtc ggctcttaca ggaaagggca ccaggctgcg gggtcattga ggacaaagtt
60gacagtttag attagcaggc actcaccatg ggccctcccc ctccctcagc atgaaaccag
120caggagaaaa tectcaactc ttggcttctc cttggggaga caaaagagtt ggaatgtgtg
180tccagtgttt caccttttca gtgggctgag ggactggctt ctgtcttgct tgtcttggaa
240agctgacagg ggctgggtgca ttccagggtc ccaggagcca ctgagaacag aagacttgtt
300gctgctctag aggacctatg gtagggcaga cagaggatga tacagctcag cagcttgtcc
360ctacgtgtgg catgaaagg

379

<210> 1921<211> 381<212> DNA<213> Homo sapien

ggcacgaggg ggcaatgcta aatattgcgg cagttttatg cattgctacc atttatgttc
60gttataagca agttcatgct ctgagtcctg aagagaacgt tatcatcaaa ttaaacaagg
120ctggccttgt acttgaata ctgagttgtt taggactttc tattgtggca aacttccaga
180aaacaacccct ttttctgca catgtaagtg gagctgtgct tacctttggg atgggtcat
240tatatatgtt tgttcagacc atcctttcct accaaatgca gcccaaaatc catggcaaac
300aagtcttctg gatcagactg ttgttggtta tctgggtgtg agtaagtga cttagcatgc
360tgacttgctc atcagttttg c

381

<210> 1922<211> 373<212> DNA<213> Homo sapien

cgttgctgtc gggcacaacc tttctttatg cgagccaaag gattcttggc tccaagcctg
60gtcctggctg ttagtttga actcatgcac ccagatgcta actcgcctc agaatgcaga
120ggggatgaaa cactgaccgg acaattcaat ctgtatatgg agacgggggt tcaccgtatt
180agccaagatg gtctcgatct cctgacttcg gatccgccc gccttggcct cccaaagtgc
240tgggattaca ggcgtgagcc acctcgcccg gcccatgttc tagatttttt attctgggtt
300agcaggatcc aaactgcctg tctgaagag actctcttcc tcttccatac aacggctggc
360ctctaccaag tta

373

<210> 1923<211> 370<212> DNA<213> Homo sapien

ggcacgagta cagaagaaca atgcgagggc agctcaggcg cgctgatggg ggtttccgat
60acaactcccc actcaaaaga ccccgagagc ctcttgattc catctctcag tagggctctg
120aagtgcaagt tgcctgaaga cacagggtct cccctgcgt ctgtgccagg acagagggac
180tgccaccagc caagctgcaa tctttttaa cgctaaaaac ggccgggctt ggtggctcat
240gcctgtagtc ccagcagttt ggggtggatga ggcgggtgga tccctgtgg tcgggagttc
300aagatcagcc tgaccaaac gaataaacc cttctctact aaaaatacaa aattaggccg
360ggcacagtgg

370

<210> 1924<211> 374<212> DNA<213> Homo sapien

ggcacgagga gagagagaac tagtctcgag agcagatctc tctctccggc acgaggagag
60agagagaact agtctcgaga gcagtttttt ttttttttt tttccagca ccgtgagggc
120ttactggagc acattttgcc ccacaaaaag gaaatagccc ttctaataccc gcctgcaaa
180acacaaaacg gcaaccctcc ccgggaaaa ttttgagaaa ccccgccggg gcaccaaaga
240cctaggggga agatctgggt caaagggtta aaattccgta agaaagggcc tataggagct
300gtgagaactt tttttgcca cgaataacca tttttaacaa acagccctaa ccctagggg
360agagctggac gggg

374

<210> 1925<211> 370<212> DNA<213> Homo sapien

cgttgctgtc ggtttcttga agaggtagag ggataggtta gtaagatgta ttgttaaaca
60acaggtttta gttttgtct tataattagc cacaggtttt caaatgatca catttcagaa
120taggttttta gcctgtaatt aggcctcatc cccttgacc taaatgtctn acatgntact
180tggtagcaca tccacctgta tctaatacc ccatctggtt ttgggggatg cgctggcacc
240atttcccaa aatttacgtg taagtatcac aaagagggtc tctacaatct ttagatttcc
300tttcgacaag attgcaggcg attcctctcg gagaccttc ccccggcatt ttggacccta
360tgagaggggc

370

<210> 1926<211> 150<212> DNA<213> Homo sapien

atgtttaaan catgggtccg gagcctttta ctctcccgaa ctctggagg ccctaaccgt
60gcgctttgag gctcccgatt ctcggaatcg ctgggaccgg cctttattca ctttgggtgg

120cctataagag ccgttgcccc tggcgggtgat

150

<210> 1927<211> 354<212> DNA<213> Homo sapien

ttgcttatac tctcactgga accaatgcat ggaacagggtg gtgcagacct ccagctgata
60atgcattgaa gaacaggcat catatgctaa atgagtgaag ctagagatct attcgacacc
120ataaggacct gcatgaaaca aaatagcatc accacttgca tacgtaacat gatcaaccca
180caggcctata tgttggaagt gctgtccggg gctgttactg tctcttctgg ttataaagca
240gacatgtggc catcttttcc gcagggttag agtgggctcc tttctttttg gaatcctttt
300cttctccttt ggtagcagct cctgcctcc agggcttccg ccaccagcgt ctct

354

<210> 1928<211> 336<212> DNA<213> Homo sapien

tacgtgctt taagacgaca gaagggtga tctttcatct atttgagaaa acgcattcta
60gcagggtgta ggtaatctca ttgtggtttt aatttgcatt tccctaattg ctagtgctgc
120tgaacgttgt ttgcatgaac ctgggtatgtc ttcttttgag aagcattttc acaagccatt
180ggtgaagtat gtggatcacc accaccata tccaaccct gttcccagtc actggtacct
240atagggtgag agtgagggtg ctcatcaacg agctctccaa gtcataagct gctgctctcc
300cactcacgat gcttggtgat tcagggaacgt tttccc

336

<210> 1929<211> 448<212> DNA<213> Homo sapien

tttttgcagg atcccacaca tatggagtct taaattagtt ttgggtgtca ttttgatgcc
60tagagtcata gaagagtgt taggagcttg tggggtataa aaataacttg agaattggct
120gaaagcaact aggaagatg ggggtagtag tatgtgtaaa catttgaggc agtagagatg
180tgggacccaa atactgttcc ctttttactc aaattctgag atgagttgac atgttctgtg
240tagggctaga gactagaaaa atggccagta ggtggtagcc acagagaagc agtgcgta
300aacaagtaag tatgcaaaat ttgtacatac ggtttcagga ataactagaa taccataaa
360atatccacct gccttataaa ctagaacatc attgataact tgggaagcct tgcatacctc
420tccatgatct catttgtctt cacagctt

448

<210> 1930<211> 463<212> DNA<213> Homo sapien

tgctcgatct gcacgatccc aacgatgcga aatcggcacg agcagaaaacc cggttcccag
60cgtcggcgcc cgggttccg ctgcccgtga gctaaggacg ggccgctccc tctagccagc
120tccgaatect gatccacgcg ggggccaggg gccctctgcc tcccctctga ggaccgaaga
180tgagcttctt cttcagcagc cgctcttcta aaacattcaa accaaagaag aatatccctg
240aaggatctca tcagtatgaa ctcttaaaac atgcagaagc aactctagga agtgggaatc
300tgagacaagc tgttatgttg cctgagggag aggatctcaa tgaatggatt gctgtgaaca
360ctgtggattt ctttaaccag atcaacatgt tatatggaac tattacagaa ttctgcactg
420aagcaagctg tccagtcatg tctgcaggct cgagatatga aac

463

<210> 1931<211> 460<212> DNA<213> Homo sapien

tacatttagc ccagcgactt gttgnnaagc ccatccaatc gattcggcac gaggaatca
60attggagaac ggtttttatt taatacagtt gcacagggtg taaaaaaact tgctttattt
120gacgaatgga attccttggc tgtttatgtt tcaatggata acacagtggc cattgaagat
180atcaaaaaaa tgtgccgtgt ccttcccttg agagctgaca catctggtga caggcctccc
240gattctttta ctgctttcta ccacagtaaa ggcacctctg cctactgctc agcctggaaa
300cccctgctgc tcattgtgcc ccttcgcttg ggcataaacc aaatcaatcc tgtctatgtt
360gatgcattca aagagtgtt taagatgcc cagtcttag gggcattagg aggaaaacca
420aataacgcgt attatttcat aggattctta ggtgacgagn

460

<210> 1932<211> 436<212> DNA<213> Homo sapien

cacacttgct tgctcgtttg gccgaatcgg cctaccggtc gtcagaatac gacagaaggg
60accacagtcc acctaagggtg tgctacagc ccaattgagt ttttcaaact gagtaatcct
120aaactgttca tcccaccctg ctttgccttt tccatgaaaa tgacagtaag ggctgtggcc
180tggaactttac cctcattact gcttctgctt cctgaccaa accctatgca tctcttaagt
240ctggcggtgt gtgttggtgc atgccgtctt cttccaggaa atgcaagtaa tacacatttt
300tcagtgatat tggcctttct atgttgctac ttactaataa ctccatanat taaatcttgg
360gtgcatttta gaacatgctg tacctttgat tggtttgctt taggctagtg agttgagttc

420tgtgcttaca ctgaaa

436

<210> 1933<211> 440<212> DNA<213> Homo sapien

cggtgctgtc gggaatagag taattttttt tcccattcca cttggaagct gtgtacctca
60agtgtgtgca catttacaaa tgggtgaaac ataacttatg ttagtccaag cttgatttga
120cttcagttct gcttcaacgt tttagtagat agggcactga actggatgct gaaagcgtgg
180gatctctttc tgttgcttca cttccaacag tgtgggttca ggtaatacga catgtttgtt
240acttgggttg ctgatctatg tgttggaac aatgtccacc acaggaggat tgactacata
300gcctgcttcc atagcttgtg tgtatttatc cagtgcctta atagttgata ctgccagtga
360tttactcctg tggagtaaaag gtaagcatgg ttttaatttct tgagtattat atggtacgtt
420ggagctaggt atttaagaat

440

<210> 1934<211> 444<212> DNA<213> Homo sapien

ctcgctcttt gtgcaggatc ccacgactc tcaacatgag aaagctttta ttttctattc
60ttttcaattt tttcacattc taaaattttg gctgggcgga tcttgatttt taaaacattt
120gtccttttgt ttctaaagag ggctcgttgg ttgcttagtt tttaaaaaaa ttgacgaatg
180atgtttttta acgaacatgt tcatcttgc t aatttttgt tgttttttg agacggagtc
240tcgctctgtc acccaggctg gagtgcagng gcaccatctt gtctcactgc aagctccgcc
300tccccacttg aactgattct cctgcctcag ccacctgagt agctgagatt ataggtgcct
360gcccccatgc ccagctaatt tttgtatttt tagtacagac agggattcac catgttgccc
420acgctgggtc tgaactcctg agcg

444

<210> 1935<211> 426<212> DNA<213> Homo sapien

tgtgaacact cccctatgta aatatgctga caataaattg tatggagaat ggtattttaa
60aagtgttttg agacttttca cctgtcctat aaaattttga attgtgtatg tgatctacat
120agaaagaata ttaaagagta ggttgaactc tttatagcca aatacagcct taaatagct
180tgtatagcat ccactggcag aagtaatagt tgtgcctcag acttgggggt tgcattgtgc
240cctgggggag ttactacct tggatgcac gaggcgttcc tattagcacc agtgggaact
300cagtactctg tatgtatcca caaaagggaa cttgagacc acagttattc ttaatttctg
360atattaacaa ccgtacatac tgctgaattt aactcanaat atttcaggta agtgaaagtg
420gtgctt

426

<210> 1936<211> 424<212> DNA<213> Homo sapien

ggcacgagga atcaagggaa taaaagctta ttctgatatt atagagcata taacagccat
60gtagatagc atggtataga gaaatcagtt ctatgatgga tgtaccacca aagttgccga
120gcattatata gagatgcttt tgatagtagc cctaaaataa attgggatag agagggagtt
180ggtgaatttg agataatttt tcaaagaaca taccatatgg cgacgcaaac ggtagatatac
240aatcagtgat aagctatatt ttgagtctta caattgtttt tacaattacc cctgttttga
300gtatatatct tggcaaatca ttctaataaa tatttgctga taactgcgcg gaatacatac
360atggtacgta gaaatttgga agaactacta catattttca ggtatcattc tctgtgcaaa
420tacc

424

<210> 1937<211> 431<212> DNA<213> Homo sapien

cggtgctgtc ggacaggagg caggtgtgta tgggtgaaat tattttgaca ccttagagtt
60aacccgggct tagagtcagt acattgggtc aagtaacaaa tatcaaagca gaactcttag
120tgtggcgaac aataaataat tgtctcctag attcttatac aagtcactgt ccgtcccaaa
180ttggtagctc ttagaatggc tcgagttgca ttcattgtca cagcaagaca caatggtttt
240gatagcaaaag cagtagagaa actaaatgta gagaggcaga gagaactgta ttaagtctga
300ggacctgggtg gttgtcatgg gcagcaggaa gtgtgaagga gagggttttc cctccgatga
360aaggaaggct agggcttgat tcangggagc aagtgggatg ggccctgctg gtccctggct
420tgccctatat t

431

<210> 1938<211> 425<212> DNA<213> Homo sapien

cgggtgctgtc gaaaaaaaac cagctttctt tgttgagctg tgtcttgaag gcaaaagaaa
60aaaaatttct acaggagtct ttcttgtttc tagttgagct gcgtgcgtga atgcttattt
120tcttttgttt atgataattt cacttaactt taaagacata tttgcacaaa acctttgttt

180aaagatctgc aatattatat atataaatat atataagata agagaaactg tatgtgcgag
240ggcaggagta tttttgtatt agaagaggcc tattaaaaaa aaaagttgtt ttctgaacta
300gaagaggaaa aaaatggcaa tttttgagt ccaagtcaga aagtgtgtat taccttgtaa
360agaaaaaat tacaagcag gggtttagag ttatttatat aaatgttgag attctgcact
420atttn

425

<210> 1939<211> 426<212> DNA<213> Homo sapien

cgttgctgtc ggttttaatt tagacctttt gagttaactc ttctaatagt ttgtgctcca
60agagagccca gcacaccctt ccatgaatgg tgtcttttca aagataactg tttttgaatg
120ttcattgaaa aaattgtaga gtagtcaact atcatttttt cagttacact caaataacaa
180ctattagtag acgtgttatt ttataaaga atgaacagat gaggccagga acagtggctc
240atgcctgtaa tcccaacact ttgggaggct gaggtgggag gatcatctga ggctcaggagt
300ttgagaccag catgaccaac atggaaaaac tccgtctcta ctaaaaatac aaaattagtt
360gggcgtggtg gtgcatgcct gtaattccag ctactcagga ggctgaggca ggagaatcgc
420ttgaac

426

<210> 1940<211> 425<212> DNA<213> Homo sapien

ggcacgagga tggatcaaaa gttatgatta cacactgtaa tctaaatgaa tttaaggaat
60ggcagtaact ctagaacctg cacagattta ctcatattcc ttcaggaaag tgttttaaatc
120gtcagagggt cctgcatcaa gcattcatct ccaattgtga ctccagtaca acgactcata
180aatgggaaat gaataacatc catagtgttt agagagaaaa aaatagacca ataacctacc
240tactgacaag taaatttata caggactgaa aaccgcctga aacctgctgc aactattggt
300attaactctg tatagctcca aacctggaac ctccgatca gtttgaagga cattgataaa
360ctgtgatttt acaataacat tatcatctgc agttactgtt tacaagactg cttttacctt
420acacn

425

<210> 1941<211> 435<212> DNA<213> Homo sapien

cgttgctgtc gagagcttca aacaagaagg gaaatggaag aaagaacaat aactatagaa
60atccctgaag ttctgaagaa gcagctggag gatgattgtt actacattaa caggaggaaa
120cggaagtgc cacaagcact aacaggagcc aggaggaact ctctcccagt ccgcctttgt
180tgaatccatc cagccacag tccacagaga gtcagccgac caccggtgaa ccagccaccc
240ccaaaaggcg caaagctgag ccagaagcat tgcagtctct gaggcggtcc acgcgccaca
300gtgccaactg tgacaggctt tctgagagca gcgcttcacc tcagcccaag cgccggcagc
360aggacacatc cgccagcatg cccaagctct tccctgacct ggaaaagaaa acacctgtgc
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435

<210> 1942<211> 444<212> DNA<213> Homo sapien

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120tatggtagaa aaatactcag tagctaccca gattgtaatg ggtggcggtta ctggctgggtg
180tgcaggattt ctgttccaga aagttggaaa acttgcagca actgcagtag gtggtggctt
240tcttcttctt cagattgcta gtcatagtgg ctatgtgcag attgactgga agagagttga
300aaaagatggt aattaagcca aaagacagat taagaaacga gcgaaccaag ccgcaccttg
360aattcaccat ttaattggag aagccacaga atttattcag ccgaacattg tgatatccag
420tggatttgtg ggagggcttt tgen

444

<210> 1943<211> 426<212> DNA<213> Homo sapien

ataacgetac ttgttctttt tgcaggtnnt tgcgattcaa ttcggcacca ggccatcttt
60aagtectacc cgacagtggg ggacgtggcg ctctacatgg ccttcttccc cgtgtggaac
120catctctaca gattcctgag aaacatcttt gtctcactt gcacatcat cgtctgttcc
180ctgctcttcc ctgtcctgtg gcacctctgg atttatgcag gaagtgccaa ctctaatttc
240ttttatgcc aacactgac ctccaacgtt gggcagatcc tgctcatctc tgattacttc
300tatgccttcc tgcggcggga gtactacctc acacatggcc tctacttgac cgccaaggat
360ggcacagagg ccatgtcgtg gctcaagtag gctgggtggt cacagggtg catggacctc
420atgggc

426

<210> 1944<211> 413<212> DNA<213> Homo sapien

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120tgtcacataa ggagaaagtg gctgtgctag gattggaacc caggctgtca gggtctgagc
180ccttcccttt ctgtctgtgg gcctactgtg tgctcccaa aagctgtggc caaattaagg
240aggtggcatg tctgattcat ctgtggcggg gcctgggata tatagtaact ctcaacaatg
300gtgttcatta gtccgggcat ggaggctcac gcctgtaatt ccagcacttt gggaggccga
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413

<210> 1945<211> 405<212> DNA<213> Homo sapien

ggctgggtgag acacgatccc ctctaagaa aatggttggg ctacagacagg taaccactgc
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120aggattttta aaaatgtaat atattgcagg atttataacc aggttactg actgcttgct
180tgctttcttt tttttttttt ttttctctct taaaaaacca aaacaaagt tttttaaaaa
240tacttttagg ccccttgga gctggatttt tgaatgttt cagaaggga caaaaatcgg
300tgggggaaat tttttagttt cccagggttaa attaaaaagg tttttaattt gggttgggat
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405

<210> 1946<211> 405<212> DNA<213> Homo sapien

ttaagaagga cctgatagt aagcgctggc catttttctt ctggggttta ctgatcaggg
60tgagattttt aacttcattt agtaattact ctaggagatt ttaccttgac ttatatTTTT
120catgacgttt catgatttgc tgctggtttc aaatgaaact acaaatctgg catgttttac
180tgtgaacact ttgttattt gttttgtacc cttttttgtc ttgtttttct gttttagctg
240ccttctgaaa aaagagttgt tccctctgtt tctgtctca gatgatgtcc ctccccctac
300ctgtaacctt tctttgacat aattgttcat atcaatgaag gtgctgacca gctcaatata
360cagttaagca caagatctaa agctcttgaa atgcccagaa aagaa

405

<210> 1947<211> 404<212> DNA<213> Homo sapien

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120ccaaagtgtt gaggcaggc gatcacctga cgtcaggagt tcgagaccac cctggccagg
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240ttgcagttag ctgggcaaca cagcaagact tcatctctta taaaaaaaaa agacccccac
300cccccaaaaa aatgggagcc cctgttctcc actttttgaa aagcttaaaa tgtgttttta
360tcttgggcca gtcttttaga cacccttggc caaaaatggt taac

404

<210> 1948<211> 417<212> DNA<213> Homo sapien

gtcggcacga ggctggccgg tctgggtggc tcatgcctgt aatcccaaca ctttaaggagg
60ctgaggtggg cagagcacct gaggttggga gttcgagacc agcctgacca acatggagaa
120atgccatctc tactaaaaat acaaaaatta gccgggcatg gtggcacgtg cctgtaatcc
180cagctactca tgaggctgag gcaggagaat cgcttgatcc tgggaggtgg aagttgcagt
240gagctgagat cagccattg cactccagcc tgggcaacaa gcgaaactct gtctcanaaa
300aaaaaaaaaa aaggggccgc cgaatgagga aattaaaggg gttttttcca aaggaccctt
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417

<210> 1949<211> 416<212> DNA<213> Homo sapien

ggcacgagaa gcactccgct tgctaataaa accagagttt ctggatagtc caaaacattg
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120tgcaagttat cagactccac accagacta catgaatcag aaactctagg tgtggggccc
180aaaaatgtag cttaacatgc ccttcagggtg attctgatgc aaagtaaaact tacagaaccc
240ctgcactaga gaaaacactt ctttttgaga tagtcaaggt tgtatactgt ttctaccaag
300cacaaatata ggagcatttg agattcttcc tgtgcaataa taagaaatca acaggaaatg
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416

<210> 1950<211> 412<212> DNA<213> Homo sapien

tgaacacccg tctctaccag aaaatacaaa ttattagtca ggcgcgggtg cgggtgcctg

60tagtcccagc tactcgggag gctgaggcag gagaatgacg tgaacccagg aggcggagct
120tgcagtgagc cgagatcgcg ccactgcact ccagcctggg cgacagagcg agactccgtc
180tcaaaaaaaaa aaaaagggtt tcaaagttcc tttttgttaa agaaccacag taaaaggctg
240agtctattct gcatactatg cccacagaaa aggaagaaaa ctttttaaaa gggagaatcg
300catgttttca atgaaaacat tcacttggtg tttcatttgt aaaaaaaaaa agggggcttt
360tataaagaac tttggggaaa cactttgctg aaatgttggg actctggaac ta
412

<210> 1951<211> 422<212> DNA<213> Homo sapien

ggcacgaggt gactcacgcc tataattcca gcactttggg aggcgaggc aggtggatca
60cgaggtcaag agatcgagac catcctggcc agacatggtg aaaccctgtc tctactaaaa
120atgcaaaaaa tttagctgggc gtggtggcgg gcgctttagt tcccagctac tcaggaggct
180gaggcaggag aatcacttga acccgggagg cggaggttgc agtgagccga gattgtgcc
240ccgcactcca gcctggcaac agagcgagac tctgtctcaa aaaaaaaaaa gggaaatctg
300gttttttttt aacccaaaaa tttcttaggt tggggcccaa cttctttgtt ggctgggccc
360tttgcacttt gaaggggccc caccccaagg ggttttgttt gtttccaggg ctttttgaa
420tn
422

<210> 1952<211> 413<212> DNA<213> Homo sapien

cctatatcaa aacttatcaa atggtgttct ttaaatatgt gcattttatc atatttcaga
60tatacctcaa caaagctgtt agaaacaagg agttggaatt agaaaaatta cccaagtagt
120attcaaatc ctaattatct gcttgaaagc actgaaggcc aactatggaa ctacagtggct
180ccaccagaga gaagtctggc taggtgctca ggtggcgtgt cctgaccatt cagtggctga
240gccctgtgaa aacaggcatt ctgtaggctc tcggatgagg aacttgcaga agcagccggg
300tgctgccatc ctaagctggt tttccatagc ggcttctctg tgagtgttaa gaaaagctgt
360gggttgccctg tcagagttag cgccccact cagggttaacc acagtttctc cat
413

<210> 1953<211> 409<212> DNA<213> Homo sapien

cggtgctgtc gaaaaaattt ctggattctt aaaccaggaa gtatgtctgc atgcaaacat
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120gttaactgaa ctactatct ctgtctactt ttaggtcttg actttgacct ttctgtgtg
180tgaatttaat ttctccctct tagcagtaaa gcaatgcata gattactttt aatgaccac
240cctttccttt catttgcatt agccctatga tattctatat cttcttactt tcctagggtg
300gtagaagctc tggcttgttt tgccagacag agcaaaagtg gcctgggac cactaaatc
360tcgtaaaata ttctcttaca cagaacgcaa aattgcttag tactctctn
409

<210> 1954<211> 412<212> DNA<213> Homo sapien

cgttgctgtc gggcttgggc tgcaccactc acagagctcc ctccccagg cacttagttg
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120ctctcgcccc ttctctgcct cctcagcttg agctgcctgc ccgaagtctg gctgttccg
180ggccagtgtg tcacctgcca acttccacat caccctctc cctcgctccc tctctcctt
240ccccaaggac ctcccccat ttctggcagc caagccatta atctggagac agaaatgggt
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360cccttctctg cgtccgtgca tttaaagagt tgtctcttta aatgttgaag ct
412

<210> 1955<211> 408<212> DNA<213> Homo sapien

ggcacgagga gtcctcctt tcttctcact ccttccccct cctccctcca tgccactcc
60cctgctctc agcaggccag gaagaaggca cagtccaggc aagtctggga gcttccaagc
120ccttgaggct cagctgtggg gcccaaatga cagccttaca aggttctac cagagaggaa
180aattccacat cccaccagaa gacaggggtg ttggcaggca tactcctatc tctcctctt
240gggtctcaat gctgaggctt gcagaggcat cccagcggca ccagcctccc actgcacagc
300ttccttccct ccttactct ccttccccct cctgccccct tgctcactt cctcttctag
360actgcattag attcattcat ctattttcc aggcattgtt ggccagag
408

<210> 1956<211> 408<212> DNA<213> Homo sapien

cgttgctgtc gctttttttt cctattatat ttttgggtct attaggattt acttaactga
60atcttataac aattcgaggt gaactgtggc aatgaaaacc agaaacagtt aatgagatgc

120ttcagctcac agtttgaagt gctgagaacc taagtatttt gctgtacggt actgagctgt
180acacaaatat gatggttttag gtttatgtgc aagactttgt gttgtagtct agacaaaggg
240gtgggcaaga gacatgcaaa gctgaagccc tgcttgaaaa gacccttcaa ggaagtaaaa
300tggcaggggc agagtgcagc ttaacatgtt gctatccctg ttgtttttga gttggttttg
360gaatggattc aagttcttac acaatttatt ttgaatacaa gcataatc

408

<210> 1957<211> 422<212> DNA<213> Homo sapien

ggcacgagga agctgctgtt cggaaagttt ccatggactg gaaagaagtt cttgtcggcg
60cctagcgacg cccaacacct gtccaaacaa aaaaaaaagt gaacaagaat taaaagatga
120aaaaagggat ttattttacaa aatattactc caaatggaaa ggaggtaaaa aaacacaaaa
180tgaattttat aaaaccattc cccggtttta ttataggctg cctgctgaaa atgaagtctt
240actacagaaa ttaagagagg aatcacgagc tgctttttta caaaaaaaa gcagagaact
300gttagataat gaaaaattac agaacttatg gtttttctg gacaaacacc aaacaccacc
360tatgattgga gaggaagcga tgatcaatta cgaaaacttt ttgaagggtg gggaaaaggc
420tg

422

<210> 1958<211> 408<212> DNA<213> Homo sapien

ggcacgaggt caatgtttta tacattattg acagaactta cgatgatttt aggtggctca
60gggatgtagt aaagtacttg tgttctgctg gttaggctaa gctgaagtga caaatggccc
120tcaaatgtct ggtttcaaca aaagttcatt tgcttttgtt gaatgtctgg cacatgtctg
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240catgtctgac acgtgggtgg cactggcag agggacacac gatcggggca agttctgctg
300gcccttaag cttctaccca gaagtgaacca ttaaccactt ctgcctacat tcaactgggca
360aatcaggtcc catggcaacg tgagagggca tgtactctcc cttgaggg

408

<210> 1959<211> 404<212> DNA<213> Homo sapien

cgctgctgtc ggtcaaaatc acttatctgt agagcataaa cgatgacctt gatcatgaga
60gaaatggaaa tgagaaaaag ttgaaaaaat gggatgtttg acctaaagaa gaggagcttc
120ttttaagaag taacagccac ttttaaggat ttggagtctt gtcatgcaga aggatcagat
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300aggctgttcc tgttcactga caagttgggg attctagagt agaggaatcg tactgaagga
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404

<210> 1960<211> 405<212> DNA<213> Homo sapien

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240gtattcataa taccatttaa tattggcgtg agtggtctcg cttgacaaaa agaggcctcc
300cctgcttctt tcaacaactg tcacagagtg ggtgggctga aagctctgcc cacggccctg
360ctattggcga gagaggtctt ttgtgggagc ggtgtctcgt gcgtc

405

<210> 1961<211> 416<212> DNA<213> Homo sapien

cgttgctgtc ggttaaaata gccccctgat gagccaggca ctctgaggga acacagatta
60tctgagctgt aacacgccag acttctccac aggtttattt tggagtggaa agtatgcaga
120acacaaaatta naaaattcaa tcttttgaga gattaaaata ggaaggcta cactgaatt
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240cacacccatc cctggtaaat gttgtaggac agagaccccc cccagagccc tgttgccctt
300tctgtcatg tttctcacct tccatgcccc agtaaaactgt tgaaaccaga gaatgggtca
360gggaagcccc atcccactcc cctgaaaata tctgggagac tcttgggtga gggacc

416

<210> 1962<211> 409<212> DNA<213> Homo sapien

ggcacgagca ncnncnnaag taagaggagc aaacaaaatg tatcaatttc agccgaggtt
60ttctagggca aacactagaa tattgtacct ttgtacct gatacctt caatcaatat
120atattactga gcacttcgat gcaaggattc catcacctcc ccaacatgtg atatagaata

180gaagcaggta aatgtttact aaatgaaggt acacagcggg cttttggaga ggaaatagac
240tctggcctcc agccatggaa taatttatac tgtctcttgc taacatacct ggagccggtt
300cctcattttg tgatccaaag agtaaacaatg taaaaccagc caatcttagg ttatatctt
360gccatcctag agagtaagtg ctccaggaca tcagagtaag aagtctgga
409

<210> 1963<211> 408<212> DNA<213> Homo sapien

cgttgctgtc ggcgtgtgtg tgtgtgtgcg cgcgcgtgcg tgtgtatgtg tgtgtggtg
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120gtttttctgg ggttacttan aatttgagag tccgtgagaa gcattaggaa gaacattact
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300tctcatacat ttaaaaatat cggttgaaca cctgctatat tctaggcacc gaggagacgg
360cagtgcagcag acgagaatgc ctgctcttct ggagccacag aaaatata
408

<210> 1964<211> 404<212> DNA<213> Homo sapien

tggcgacaag attgaagcta ggtctcaggg gtctccagtc ctccttcac agggccaccc
60cctgcagtat tgagcaccag ctggctccctc tagggagaga ttgacaacac cccggaccct
120gcggcctgcc tattccatct gaatgtcgca tcgtctgttt ctcactaggg gccgcctctg
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300gccacctact agtcatactg gcctttttaga tccctgaagt gttgttcaaa tccccggatc
360attgagtcac acccccagcc ctctgctgcg gatcactcct taan
404

<210> 1965<211> 411<212> DNA<213> Homo sapien

ggcacgagcc ccgttggcgg atgatttttc taattctgca actgcctgga gcgcgggcat
60gatgacagag gaacggtcat tgatgatgca tccctggaag acctgggagc caggctctggc
120tccttggact gtatcttccg tgctccagtg ggagtacaga ctgagagggg gaagggggcg
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240ttcactccta aaatgtctag taaacctttt agtctgttct attctgcatt cattcccttg
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360gacttctctc tgtgaagaga tccttagtat actacttgaa gaaccgcgaa g
411

<210> 1966<211> 416<212> DNA<213> Homo sapien

ggcacgagtg acaaaagactt cagtttagatc ttcattgaacc tccagtttcc cagtgcgtac
60agtgggtaga tgaagctaaa ctaaaacaaa tgaggcggga aggcattcgt tatgctagaa
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300gagaattaga agttgactcc caatgtgtga ggataaaaac tgaatctgaa gaagcatgca
360cagagattca gctgttaaca actgcttcat catctttccc acctgcatca gaactn
416

<210> 1967<211> 405<212> DNA<213> Homo sapien

cgcaagagac tattggcaat ggattcttct ctgtgtacag agccagcacc cacaagtgtc
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120aagaaatgaa atttcatgag ttcgttgaga aactgcggga tatacagcct cgacgagggc
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360atgagcagcg gaactttttt gctcagatac taggtgacag acgag
405

<210> 1968<211> 412<212> DNA<213> Homo sapien

ggcacgagag gaagtattag ctaatcagaa ccacgggtgcc aggtgactc accaagggtc
60aagattgctt tacttagtag cctcaagccc aaggaaactga ttgtgaaaac cacctgaata
120aacaggaggg aggaagaggt aatactgttc atctatacat catataagcc tctgttaggc
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240gccacataca tagatattcc acggcttaat atacaagcaa atgtgtatat tttttcaagg

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360caacaaaagtc cctgattttc tcaaaagttc gaacaaaaag ctggaagcgc tn
412

<210> 1969<211> 407<212> DNA<213> Homo sapien

cggtgctgtc ggtatttcac taccattttc tgacttttag cttttatttt cacctcaatg
60tgatttaagc agacaaaaat ttctaattct gctaattctg aaggggaaat agacaaatct
120taaaagctgc ctgaaatcaa acttgattta actcagtaag aatgtgaatt atttgttcta
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360gggctaacc acttcaggtg cagcttgtgc gaggttagat ggttctt
407

<210> 1970<211> 407<212> DNA<213> Homo sapien

ctcggcacga ggcgaggcca tgtggacccc cacacctttg gggccggctg ggcaaaccctt
60gaacccccaa tttctgcgtg gcctttggct gcctccttc tccaaggcgt gactcttact
120ccagagactc aggcgagcac gtgtccctta cttattttc tctcaatcaa actgaaaccc
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360gggaggtctg gctttgccgc tttggctggg actcaggtac ctgggcg
407

<210> 1971<211> 417<212> DNA<213> Homo sapien

gggatttgtt ttcggcacga ggggtgatgc taggatggc ctttatatgt gtcctggcct
60ctgcaggctt agggggcagt tttgaaaatg aggggaggaa gtgcttctgt ctgcacttg
120ctgggtgctg gacactgggc cgagcaccag tccctcctct tctgctaga tgcttgatc
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240gatcagaggg agccctggcc tgaagtgtt gctgggctgg ccaaggccct ctctggaccg
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360gccctctgtt ttggaaccca tgggaagaca gacctcatgt gaagggggct tcccaag
417

<210> 1972<211> 417<212> DNA<213> Homo sapien

nccggcacga gcggaaccc tgctcagtc tgccgggcac tgcagcagg gaccgtccgc
60ctgaccaga gacctggggc tgctcacc cttctccaga cccacagcca gctttgtttc
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180gaggcgctc atccagaaac tgggacttgg ctgcccggc ctgggcccta gggacttctc
240actggctcatg cttctgaagc tgctcacctg gccgagggag gtcccggcag tgtcccagg
300tgggaaggtgg gggnggnnn nnnntgnnt nntttttnnn ntgtntttt gtggtgttg
360nnggnttgtt ttnttgnnt ttgttaggcg aggggtggtt ttgcttgtt ttgggtg
417

<210> 1973<211> 409<212> DNA<213> Homo sapien

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120tgctcctgg atatgcccc caggttattg aagacaatgg tggtcgaaga gttgtcgtgg
180tccctcaggc accagagttt caccctggta gtcacacagt tctccaccgt tctccacata
240ctcctctacc tggtttcatt cctgtcccaa ctatgatgcc gcctccacca cgtcatatgt
300actcaccgt gactggagct ggagacatga caacacagta tatgccacag tatcagtctt
360cacaagtcta tggagatgta gatgtcact ctacacatgg aagggccag
409

<210> 1974<211> 412<212> DNA<213> Homo sapien

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120acggtcaggg caccagcatc agccctctga aggagctggc gtgtgctgac gagtgtctgc
180ccctgccagt gctccctaac tggattggag gaggctatgg aacaaagtac tggagcagga
240ggagctccca ggagtggcgg tgtgtcaatg acaaaacccg gacccataga atccagctgc
300agagccaaga tggcagcaca cgcacctacg aaatcacagt agtcaactgcc tgcaagtgca
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412

<210> 1975<211> 408<212> DNA<213> Homo sapien

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120ctctcacaca cgcgcggggt ttttgtgttc tgcgcctccc tctctttttt gtggggggggc
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240cccacacaca ctgtctctct ctctctctgt gtgcataat atttctctgt accgagcggg
300tgtctctttt ttttctctc cctaaaactc tctctttccc gctctgtgt tctctctctc
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408

<210> 1976<211> 423<212> DNA<213> Homo sapien

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120ttacatttag taggaaaagt gttgagggca tgggtttgga ttaaaggagg gagttagcaa
180ttgaggagga agtggaattt gggcaaaaaca ttccttttgg aagtttggat ggtaaaagga
240agtgtagggt agaacaaagg taagtctgag aggtaagaga gaaggaacac actttgggct
300tggcctgaaa tgagagggaa tgaggaaaac tgggttagagg gcaaggatgc tccagcctgg
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420ggg

423

<210> 1977<211> 413<212> DNA<213> Homo sapien

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60acatcgtttg cctttgcact aacatgcttt catttctttc agtctcttcc tccattccct
120ttaaagtctt ccccatcata tcaactgatct caaaagctag atttgtcttc attttagccg
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240tcaactccatg ttctctgtta cagtaaggac cagcctaagct tcagctgtcc cattcctccc
300cctacaacac acacaccttt caagcaggga ggagatgatc ttccagcccc aagagtggag
360gctgccacat cctaacatat tatctattga acaggaagca gtgcgtatcc atg

413

<210> 1978<211> 404<212> DNA<213> Homo sapien

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120aaaaaaaaa agaacttaag gtttaaccag gccagggatg gaattgacct cttaacaagt
180atgtgatctt ggacagacac cctctaggga acttcataat ctcatattgg aaaggggaat
240aaatgtctcg acttgggact gccactggga ggaggacagg tcatgggtgtg tgaaggagca
300gggccaccct tcgttcacgg cgcgctcagg gaatgtgaaa tgtgggtgtg aaaaaatgtc
360ccttgactcc gcccttctctg cccttaaaac acacgcacat gcac

404

<210> 1979<211> 405<212> DNA<213> Homo sapien

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120accagttat atgcagggt agtggtcagc ctctctggcc tctgcccct ggctttccga
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240cgcaacttg cactgctagt acggtgggaa cagcagggtg gcgagggcc tgcagcccta
300tgggcgcact ttggggaatc tgctcagcc catctgtctg acctggctcc tctactgcta
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405

<210> 1980<211> 407<212> DNA<213> Homo sapien

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120accagtgcc gccaccagtt ctgcagcggc tgctacaatg ccttttacgc caagaataaa
180tgtccagagc ctaactgcag ggtgaaaaag tccctgcacg gccaccacc tcgagactgc
240ctcttctacc tgcgggactg gactgctctc cggttcaga agctgctaca ggacaataac
300gtcatgttta atacagagcc tccagctggg gcccgggcag tccctggagg cggctgccga
360gtgatagagc agaaagaggt tcccaatggg ctccaggacg aagcttg

407

<210> 1981<211> 419<212> DNA<213> Homo sapien

ggcacgagga ttcttggttt cagagcggtc aaaagatgat ctccagctaa gacttacgag
60agcagaaaat agaataaaac aacttgaaac tgactcctca gaagaaatat cacgttacca
120agaaatgatt cagaaacttc aaaatgtatt ggagtctgag agagagaact gtgggcttgt
180cagtgaacaa aggctaaaac ttcagcaaga aaataaacag ttacggaaag agactgagag
240tttaaggaag attgccttgg aggtcaaaa aaaagccaaa gtaaagatca gtacaatgga
300acatgaattt tcaataaagg aacgtggatt tgaagttcaa ttgagagaga tggagacag
360taatagaaat tccattgttg aactgaggca tctcctagcg actcaacaga aggcagccc
419

<210> 1982<211> 415<212> DNA<213> Homo sapien

cgttgctgtc gtctgagtct ggcgcgggatg ctatgggcag ccaggagggtg ctggggccacg
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120cttgaatgc atttattctt cgcttcctgt caaaggaaat cgttggcgta gtaaagttaa
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240gtctcagtgg gggcaccag cgagactgga gccagaccct caacctgctg tggctaacag
300tccccctggg tgtgttttgg tcttatttcc tgggctggat ctggttgacg ctgcttgaag
360agcctgatcc taatgttgtc cctcactatg caactggagt ggtgctgttt ggtct
415

<210> 1983<211> 407<212> DNA<213> Homo sapien

ggcacgaggc gtcttctcgc cgctgctctt cgtggcccaa cgccccaatc cttgcgtgtg
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120cccaccctaa accgcctacc cgggtgtctgt tccccgcccg gttgtcctcg cctgtctgct
180ctgagtgctc cctgttagcc tcgaccccat ggcgctgcag acgctgcaga gctcgtgggt
240gaccttccgc aagatcctgt ctcaacttcc cgaggagctg agtctggctt tctgttacgg
300ctccgggggtg taccgccagg cagggccgag ttcagaccag aagaatgcta tgctggactt
360tgtgttcaca gtatgtgacc ctgtcgcatg gcattcaaag aacctga
407

<210> 1984<211> 411<212> DNA<213> Homo sapien

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120gtcttctatg ttcaagatta tgccaacagt taagaagtaa aaggaagttt ttcggaactg
180tgccaatatc cagattgcat aggcgagttg tcattacagg cattggctta atgactcctc
240ttggtgttgg aactcacctg gtttgggacg gtcttatcgg aggagagagt ggaattgttt
300cactgggttg tgaagagtat aagagtatcc cttgcagtgt tgctgcttat tgccaagag
360gtagtgatga aggtcagttc aatgaacaaa actttgtgtc caaatcagat n
411

<210> 1985<211> 414<212> DNA<213> Homo sapien

gctactctct ctttttgccg atcnnnncat gagattcggc acgaggggggt tcagaggggt
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120agggggggtca ataggttcag tgtttgagat gccaaaggaa cctgtctttt gatttgggggt
180tcaacatata gaggttagcag tcaccattat gctcaaagcg gtyatcctga ttggaggccc
240tcaaaaggga actcgcttca gacctttgtc ttttgaggcg cccaaaccat tgttttctgt
300ggcaggggtc cctatgatcc aacaccatat tgaagcctgt gccaggtcc ctggaatgca
360ggagattctg ctcatggct tctaccaacc tgatgagccc ctacccagt ttct
414

<210> 1986<211> 413<212> DNA<213> Homo sapien

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120cataagttgg aggttcttga atctcagttg tctgagggaa gtcaaaagca tgcaagccta
180cagaaaagca ttgagaaagc taaaattggc cgatgtgaaa cggagagcg aaccaggcta
240gcaaaagagc tttcttact tcgagaccac agggaaacagc taaaggcaga agtagaaaaa
300tacaaagact gtgatccgca agttgtggaa gaaatacgcc aagcaaataa agtagccaaa
360gaagctgcta acagatggac tgataacata ttcgcaataa aatcttgggc can
413

<210> 1987<211> 409<212> DNA<213> Homo sapien

cggtgctgtc ggcgagggtg ggtaggcgtg caaggcgggc gccgaggttt gcaaaggctc

60gcagcggcca aaaacccggc tccgagcggc ggcggcccg cttccgctgc ccgtgagcta
120aggacgggcc gctccctcta gccagctccg aatcctgac caggcggggg ccaggggccc
180ctcgccctcc ctctgaggac cgaagatgag cttcctcttc agcagccgct cttctaaaac
240attcaaacca aagaagaata tccctgaagg atctcatcag tatgaactct tataacatgc
300agaagcaact ctaggaagtg ggaatctgag acaagctgtt atgttgctg agggagagga
360tctcaatgaa tggattgctg agaacactgt ggatttcttt aaccagata
409

<210> 1988<211> 418<212> DNA<213> Homo sapien

ggcacgaggg catataagat ctattatgtc tatggcttca tgaatgctgt gctgggttatc
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120gattacaggt ggcaatggac aagttttctc tctgctgcat caactgcaat ctatgtttac
180atgtattcct tttactacta ttttttcaaa acaaagatgt atggcttatt tcaaactatca
240ttttactttg gatatatggc ggtatttagc acagccttgg ggataatgtg tggagcgatt
300ggttacatgg gaacaagtgc ctttgtccga aaaatctata ctaatgtgaa aattgactag
360agacccaaga aaacctggaa ctttggatca atttcttttt cataggggtg gaacttgc
418

<210> 1989<211> 420<212> DNA<213> Homo sapien

cgttgctgtc ggtcattttc tcgctctgtg gcaactgttca gaggatatca cgggcccctt
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120ggcagacctg tgaatgtctg tgtgggaaaa gagtggatc gatttcccag cagcttcctt
180cttccctgaca attggcagct tcagttcatt ccatcagagt tcagaggtca gttacaaaaa
240cctttttgcag aaggacctct ggccacccgg attgttctta ctgacatgaa tgaccagaat
300ctagaagagc catccagata tattgatatc agtaaatgcc attatttagt ggatttggac
360accatgagag aaacaccccg ggagccaaaa tattcatcca atanagaaga atggatcagn
420

<210> 1990<211> 412<212> DNA<213> Homo sapien

cgttgctgtc gtgaatttac aggtggcgcc ccgcccgcct agcggccacc cgggcatgga
60ccaagtgcac ccccaaaaaca ttccggtatc ccccatggcc aacagcggac cctctcgatg
120caccattttgc cagcaacggt tggaggatag gcatttcgtt cagtgcctt ccgtcccag
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300catgcagggc gaaatgcga ctatcttate tggggatgtt aaagtgaata aggagagaga
360cccttgaacc actgggcagc cacctccttt gctctagacc agctcctctc cc
412

<210> 1991<211> 415<212> DNA<213> Homo sapien

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60tgaagatttt cctgagacct cagagcccgt ttggatactg ggtagaaaat acagcatttt
120cacagaaaaag gacgagatct tgtctgatgt ggcattctaga ctttggttta catacaggaa
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300gaggtggaca caaagggaaga ggcagccaga cagctacttc agcgtcctca acgattcat
360cgacaggaag gacagttact actccattca ccagatagcg caaatgggag ttggc
415

<210> 1992<211> 383<212> DNA<213> Homo sapien

ggcacgagaa aaatttcaac caaagaacag attcttctcc agccaaccat gtcccggcac
60tcagaagggg tttcatgctt ctactgataa gccaaactaa catcagatcc aatacagatt
120tttttaagat aaaataccat ctctactgga cctgtttagt ggctcaggct gccctcacag
180gacatccctg agaccacct gtcactcttg atgttggaac caggggcccag gcctgctcct
240cattgtctcc tgccctccta gtcccagga gaggaaaaga aatactgtt tagagaaata
300acattttcaa caaacatcc ctggagtcag attttgagtt ggggtgggct aatcagggag
360tcggggctct ctgctgatg tcg
383

<210> 1993<211> 401<212> DNA<213> Homo sapien

ggcacgagcc tcggcctcct aaagtgtgtg tattacaggc atctgccacc gcaactggcg
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120aatgtgaata ataatggtcg gtctctctc atggttcggg agagggaac agtctcaccc

180cctaaaatgtc accttgaatt acagcatgtt atataagcac atcctggccc ttccttgaat
240ggggatcttt ctttctcacc aaatattgat ccttttccct tcagagaaca ttgctctttt
300tgtcttcccc ttaggaattt tactgattcc ttaaatttaa aagggcgtgt tgtaaccttt
360atgtcccccg cccctcaca gagttggtgc gtctgtgatg g

401

<210> 1994<211> 385<212> DNA<213> Homo sapien

ggcacgagac caagaacact tcagtctctc taaggatgcc ctgagctacc tcaactgttaa
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120attatgtgtt actttttggt gactaacatg gaatgttgaa aaggaagagc tggaaagctc
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240agatttggct gagaaaaacc cttagagtaag gcaggcactt tgtggaggtg gatgatgatg
300gtcataaaa acgtttgttc tcagtccagt tcagggtctt gccagcagtc tttcagattt
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385

<210> 1995<211> 396<212> DNA<213> Homo sapien

cgttgctgtc gggagtgcag actgttattg tattgtgttc ttgtgcaaaa aaaccccagg
60tgtatcatgg gaatacatct ttgaccttgg acttccctgt gtccctgtgg cagaggtcac
120tagttttgac acctgggtgag agatgtgaag tgttccttta ttacttata ttattttatt
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300acttaggaca ggagacgaac cgcaccatgc ccaccccatc ttattatgat tgcttttatt
360tccagaacat atccccctat gaggcgacag tcgccc

396

<210> 1996<211> 383<212> DNA<213> Homo sapien

ggcacgagggc ttacttttcc aaacatgact attcattggc atcatgtgag ttttttgttt
60gttttaatac tgagttctcc cctcctccca gtaagtctag gtgtggtctg tgaatcatta
120ttttaataaaa atgttatggt ttggctgtgt ccctacccaa atctcctctt gaattgtagc
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240aggtctttcc catgctgttc gcatgatagt gaataagtct catgagacct gatagttttg
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360tcctcattca cttttagctg nga

383

<210> 1997<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggagtcattc tgcctagata ttggagctaa aatacattgc agaaatttgt
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120gcttttatta accttcttca tggctactct gagaggctgt ccttatctct tactgatgat
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240tgatgagcac actagggagt tccagatacc agtttgatgc ttattcaacc atttaggtta
300tcggctctgcg agtttgtttt ctgcagtgtg tgcataacta gtgttttgtc ctcttagagg
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388

<210> 1998<211> 399<212> DNA<213> Homo sapien

cgttgctgtc gaagagctct ggcggttaca gacactgcag gaggtggccc tccgggtggc
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120tcataacttg gccgggcgcg gtggctcatg cctgtaatct cagcactttg ggaggccgag
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240ggctcacgcc tggaaatccca gcactttggg aggtcgaggt ggggtggatca cgagggtggg
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360tagctgggcg tgggtggcgg cgctgtagt cccagctac

399

<210> 1999<211> 398<212> DNA<213> Homo sapien

cgctgctgtc ggtaaactg cagaggaata aagcccgaaa aactacctac cagtggttct
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120aaatttttaa aataatgaac tcccacaact ttaatacataa gacatgattt aacataaatt
180tgacatcatg acatgccaga ttgaaactgt aatgggccag atggcacgtt ttacattgt
240ctcctagctt ttgccctata atcccaatag caagagtggg gagagagtag aaataggatc

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360aaacacataa gtgtcgggta tggttaatgt cagaaggt

398

<210> 2000<211> 400<212> DNA<213> Homo sapien

ggcacgagga gagaacccag ttctaggtac tgtctgggcc tgggaggcga gagcagtgcc
60caggggactt ctgggcttac aggacagcgt gtgtgacaaa attcacatct acctgaactt
120gcctctggag atgataaggg ccaaaggagc agtcaggag gggcgggtgag ccagagtagt
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360ttgctctgtc actcaggctg gagtacagt gcacaatcan

400

<210> 2001<211> 402<212> DNA<213> Homo sapien

ctagtctcga ggantttttt ttattttatt tttgtcccc caaagggaat attttttttt
60tgccctttaa aaaaaaaaaa agccccaaaa actttttttt tttttcccc gggaaggga
120gttttttttt gggccccggg ggggttataa acccggggaa aaaaaaaatt cccccacca
180accgaaaatc ccaaaaaaat tgggaaacag gggggcccc ccccccccc cccccctt
240taaaaaattt taagaggggg gggcccaaat tttccccg gcggaattta aaaaccggc
300cccaaaggaa cccccgggtt tccaaccctt aaaagggggg gggaaaaaag gggggcccca
360aacccccccc ctttaaaagg gaaaaaattg gggaccccc ct

402

<210> 2002<211> 402<212> DNA<213> Homo sapien

ggcacgaggt gacaactgat tgggccttgt aggtatgatt ggatttagcc aggcaattaa
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120gtaagacaat tgatactgtc catggatttt agaaagtgtg aagtggagtg atttgtatga
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240tgcaagtagc aatggatagt catcacagat tttgtacat gggacttcac ataccttaat
300tgaatatcca tctgttaca aatattgtc aagcaatgta ggaatcaagg gaataaaagc
360ttattctgat attatagagc atataacagc catgtaata tg

402

<210> 2003<211> 401<212> DNA<213> Homo sapien

atcggcaccg agcctgagac ttagaaaccg cttatttgtt taaaaccac ctttagagct
60cacaccatta gggagaagca ccatgctgaa tcatttcaca gttttcaact ctgggaaata
120atggagagag tttaaaaatg taaaacttca gctattttgg ggctgaactt gcttacttga
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240tctttactat tcagatccaa gttcatgat ctacttgatc ttcattgtct taaaacatt
300cgaaagatgt caactgagag aacatttca gaggggggag gcttttgga ctggtgataa
360acatccctcc aagagaaccg cctgggggtc tcttctattt g

401

<210> 2004<211> 400<212> DNA<213> Homo sapien

ggcacgagac aaaatgctct cttgatctta ttgcctcat ctctctcatg gttgtacaga
60ggatagcacc ccaccatgcc agcctgactt ggagatatct cctgctgcct gcctgcaggg
120agttacccca gtttccaaaa acagtcgccc agataaagga ggaaaaggga aaggcagacg
180aatggcatgg cttttactaa agaaaagatg ttggcctcat actctatact cagggtttaa
240tgaactggaa tctgcataac tcagcagtca acccagaagg gaaatggta aactgagctt
300gttattgcct cggagagcct aagagcacc gcacacttaa ttctactccc tgtctagaaa
360agctgtcagg gagtctgttg gaattgcaat gtagttattn

400

<210> 2005<211> 382<212> DNA<213> Homo sapien

ggcacgaggt ggcttggtgc aaattacatg caattagccc tcagacagcc tgaatcgaga
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120tcacgtaaat ttgctgtgt aactggatct tcccaagcca caagtctgag aaatgggtgg
180actctgacc tgaccactag attttcagga tttctctct aagagaggta tcttgcttc
240taagtgaccc ctaaaacaga acctaggaaa ctctcagcca gataaattag aaattgatc
300taaataggct tgtgcccagg aaatcaacaa tgcagtaaaa atatcaggac aaaagcaaga
360atacttccca aagtcagaac tg

382

<210> 2006<211> 382<212> DNA<213> Homo sapien

ggcacgaggt tgggaagggt gtagtgccct aggttggtga cagaaggac agacacttgt
60gcacaggtgt ctttggtgat ggggtttttt tttttataac ttagtaaaaa aaaaaaaagg
120tttgggaaat tttgtttttg ggaaaagcta aaacccaggt taccctgagg gggcgaggg
180ttttctttcc tgccctttta atctctttga aaataaaaaac ctggcacttg ttgatggtgt
240ttccaaaccc ccttaatttc caaaaaaac cccaagtta aggtcttaat ggggagggga
300gggcacgttt ttgacacatg gaaacttct taaggagggc ctccctttcc cttttcccta
360aaagttttaa agtgccgttg gt

382

<210> 2007<211> 386<212> DNA<213> Homo sapien

cggtgctgtc ggaacaagg aagacacatt taatatatct gatcaagtgg tcttgccaa
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120ggcaggatcc tttagcatgt aatactttta aatggatcca cactgaactt ctgctggatg
180tactggagta agagtggcca gattatctct cctcctcaa acaatgcaa aaccagacaa
240gggtatataac ataagagttt tttagacacta gacaatactg ggcagtgatc cctgagagaa
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360gtctgcagga aggagatcca aaacag

386

<210> 2008<211> 397<212> DNA<213> Homo sapien

cggtgctgtc ggaagaccaa ggactaggag tgtgagaaaa attgatcctc aggaggaaga
60ctgcaatgca ttttagcagga aagagtaatg tttcttaaga aaaaaatgaa acaatgaaaa
120tccactaaaa tctgtctcaa ggataatatt ccatgactct acagggctta atgcgtgtga
180catatataga ctctgataa gcagtttgaa ttatatgggt cagagaaatt tccaggtcat
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300agcacttttg gaggccaagg caggtggatc acttgaggtc aggagtgtga gaccagcatg
360gccaacatgg tgaaaccccg tctctacaaa aatactt

397

<210> 2009<211> 396<212> DNA<213> Homo sapien

ggcacgaggc tatcaatgta agatacatatc tcagattttg aagactagta ttacccaaaag
60aatgtaaaa atcacattaa taattttata ttaattacat gttcaaatga tattttggat
120atactgaatt aaaacattaa aattagttct acttgatct ttttactttt ttaatgtggc
180tagaagaaaa taaaattata catgtggctc agattatatt tctattggac agcgctgctc
240tagaacatta tattaagtgg ttattattga agtagaccaa agtttatacc ataaggatat
300ttttctctaa ataccatgtt tgaagaacaa ttatttattg atccttgaat ctgtaagatc
360aaataacaag tctctatcca tgttaccaaa tttaan

396

<210> 2010<211> 394<212> DNA<213> Homo sapien

cggtgctgtc gattttttcc tggagagcct tatcatgtat tttatatgct tatgtgggtg
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120tctcaccagg tgatctacta tgcaaattcc tacagttttc tattcttaag aaataagggc
180cgggcacggc ggatcatgag gtcaggaaat tgagaccatc ctggctaaca cggtgaaacc
240ctgtctctac taaaaataca aaaaaatta gccgagcatg gtggcgggca cctgtagtcc
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360gagccgagat cacgccactg cactccagcc tggg

394

<210> 2011<211> 396<212> DNA<213> Homo sapien

gtccagttgc tgacggactc actttttacat ggtcagcttt cagagaataa tcacagagat
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120cttttcgcat catagaatgg tgggacctca aggatgagtg aggagagaag gattcagtg
180atctttctgaa aaattattca ttacctatag ctgatacgac cagtgccagc catgaattac
240ctagtcccca tgcattgaca gctgatttac attcttgcgc cagctcctta tctcatagta
300gatcaggcgt ttgagtagca tagcattagc ttatctgttt ttttaagatc aatagaactc
360aacaaggac gatagaactg tataccccag tcaatn

396

<210> 2012<211> 385<212> DNA<213> Homo sapien

ggcacgagag tgagtctatg tattagggat aacagaagga aatcaagcac aaacttgctc
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120catgtaaaat agtctttaca tggataaatg gaaaacaatc gatggtcctt ttcttaaaaa
180ccaatttttc cccattgtaa tacctttttt tttttttaa agaaaatctc gctctgtttc
240cagggctgga gggcaaccat ttccatgtaa tatgtacttt ccccgaggac tgccagaact
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360gatcaatact ttgtatcctt caatc

385

<210> 2013<211> 402<212> DNA<213> Homo sapien

ggaaacgaag tttttgggag aaatccgttt gataaagcct tggcggcttc gaggtcatgt
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120gcaacaggaa cacaggcagt ccagtcgtcc tgagatactg ggaggagcat ggttgctttt
180gaacacgtag gagataaagc ctctctaata atgcctgttt ttttttccct cactctgtct
240cccaggctgg agtgcatggt caggtgtcg cctcactgca acctccgctt tctgggctca
300agtgtattct ctgccccagc ctcccaagta gctgggacta caggtctgtg ccaccatgcc
360tgtctaattt ttttgtattt ttagtagaga tgaagggttt aa

402

<210> 2014<211> 397<212> DNA<213> Homo sapien

ggcacgaggg acatggctct gctgggcaaa gcaaggacgg gcacatccaa cctatgcggt
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120ccatggtaat gtagaaaaag gggccagcgc ctccagaaaa tgggacccca ggctggctc
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240ctaaggagaa gtcttgggtt ctcaagtagt cactattcag actctcgctt tcagagtatt
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360gccaccccat ttgctcccag ggctgggtgt ttgtctt

397

<210> 2015<211> 396<212> DNA<213> Homo sapien

ggcacgaggg gaccctgctc gccagatgt gctcctggac atttgcccag cgtcctactc
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120caactgcccc ggacaaggcc cgctccaaca aagggctcct ggccttgnnn nnnnnntann
180tgnngnnntnn tgggaagttg agtgggtgggt tntaacctat acaggtttct ttactctgtc
240tttagctcgg gccctccgt ttttttttcc ttgaatccga gacgggaata ccgtgggctt
300tctggcctta tcccacaaat ataagaacat tccactgggt gtctgctttc cccctggaat
360ataggactct ttccctggggg cctgtgaggg cttttc

396

<210> 2016<211> 392<212> DNA<213> Homo sapien

ctgcctcagc ctttgaacc ggtgagacta caggcatgag ccacctcgcc ccgcccagag
60gatttgtaac tattaaaatt agagacctac cgattattga ttgtgtcaga ttgagctact
120aattcgatac tcagggggggg ggatagaact agtagaaaac tttagaaaat gtcatatagc
180ttaccatttc gagctttgcg ttattagata gtgcatgagg ccttcctttt aagaaaatga
240atcaagggtt gaggtctgta atagagtatt aatttaaaag ccaactcttc tcctggaagt
300cctgtcagta gcatatccac catatggccc tttcttctgt ttctctgtat tgcattctc
360ctatttagtt ctgtgctctt agatccttct tn

392

<210> 2017<211> 389<212> DNA<213> Homo sapien

ggcacgaggg ccgctggcta tcttggggga gccagctgtt ggactatgcc cactgccag
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120caaaaggtcgg gaagggggcg tgggagaagc ggggcagcgc tgagccatgc tcgcgaactg
180tgggtctgtc tgtgaagaga ccagtttcg tgggaccacg gtggcgcttg cgctgggagg
240tgagcttggt acagagcgaa aactacaatt ccagcattc ctgtggtgcc agaactacct
300tgcccgaag cctgtgcgag atttaccocg tcttcgcct cctccacc ggaaaactct
360gaggacatga atagtcgcca ggcttggcg

389

<210> 2018<211> 398<212> DNA<213> Homo sapien

ggcacgaggg aaagaggagc gagaatcaga tagtgagggt atgatgggac tgggtggctaa
60acagagaagg agaggtatat aagatcactg gaatgggaat ggttgttttg gaagtagtga

120agttaggaca caaggggtgaa ctgctttggg gtttgtatcc attctgttag ccttttgtat
180ttaaggccag cactgaagca gtggaggaaa tgggcaaagt aagaagagag aattctgaaa
240tgaagctgac tttgagcagg agtgggaggg aataagctag attatctggg cctccagcat
300ctctagacct agagggttttc tctatttctc cttttcactg tgaccagga aataattttc
360agaagtataa aatctcatct gagactctgc aacaggcn

398

<210> 2019<211> 400<212> DNA<213> Homo sapien
gttgctgtcg attttaagaa gaaatttaat tgtatttagc tctgtgtctc gcccttttgg
60tgtcactctt ctacctcttc catcactata gctaaatatt tagaagtata tcttgacacc
120tagcacaaat gttttgggta agtatcttaa aactgatgga tggataggct ggggcagcat
180ggctcacgcc tgaatccca gcactttggg aggccaaggc ggggtaatca cctgagggtca
240ggagtttgag accggcctga ccaacttgga gaaaccccg tctactaaa aatacaaaaa
300ttagtcaggg gtgggtggcg atgcctgtaa tcctgtctac tcaggaggct gaggcaggag
360aattgcctga acccgggagg cagaggttgc agtgagctga

400

<210> 2020<211> 397<212> DNA<213> Homo sapien
ctgctatcgg gaacaatcct tgagggtgag aacgtggatt gattcttgat tgatagtggg
60gattccatta tctgtatttg gcagttatgg cctgctgcgg tgtatagaag cttctttcca
120ttcattttcc cgaattttca tactgctcaa ggaacagttg ggggggaatg ggcagaaggt
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240gtagagccat ggtagtagtt agtaccaatg ggtttttgct gcttctactc tttcttaaca
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397

<210> 2021<211> 391<212> DNA<213> Homo sapien
cccagtctac attgaggtat agtgtattaa aggatctcag gagacttgca gcaaattact
60actgcttctg tgcttaaat cagatgtctg agctctaaaa aaaagcactc ctagttaaga
120ctccaattgg gttgttaacc ctttggggcc caaggtttat ccaacccag agggattttt
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240tctctgattgc caccaaatgg cctggacccc ccaaaaaaaaa aaagaatctt aaaaaccccc
300ttttctaatc ccttttaata aagggggaaa taagaaggtc tttgccttcg gaaagtctgg
360catgttgccc attactttaa ttttctgcca g

391

<210> 2022<211> 391<212> DNA<213> Homo sapien
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60aggaaccac cagagggcag caggctcctt tcacttcgct agtaagaacc cctccgtttt
120tgtgtgtttt tgtttttgtt tctggagac aaggtcttgc tttgtcacc aggctggagt
180gcagtgtcgt gatcaagggt cactgaagcc ttgacgtgt gggcactgcc tcagccgccc
240aagtatctgg gaccacaggc gtgcaccacc atgcatagct aatttatttt ttgtagagac
300agggtctccc tgtgttgacc aggttggct cgaactcctg ggctcaagca gtccctctgc
360cttggcctcc taaaagtgtc gggatcacag g

391

<210> 2023<211> 389<212> DNA<213> Homo sapien
ggcacgagct tagctgagct tgttgatatt cttatcctat gttctgtcca ctcatggctg
60ggggccctgc tcacatacca tctattctat gaagctgcgc ctgagtagg cttccttact
120gcctttgtac acagtaccaa acatagtgcc tagcatggaa tagatactca atagatattt
180gttgaatgaa caatgaatga atatttgttg aatgaatgca ttatccact tgggagcaat
240ccactcttcc tctatgttt tatatcact tgcctctacc tcgttttatg gagctctcta
300catttaacct ttattttagc taattatgt tttagtgcaa ccccttctcc agaaggctcag
360cccttggata ataccgctg ggtcaattg

389

<210> 2024<211> 387<212> DNA<213> Homo sapien
ggcacgagga aagttttgcc ttggaagtac aagaccatgt cttccagata ccagccccag
60attaccttca gcattggggc ccagctggag acaacgttga tcataatgaa aaggactgtg
120ttttcaagaa ccatactgag gatgaatccc tagagggaat tcagcccca gtgggggagc
180atggtttgaa tacgcccttc tctgtgagga gaagctggga ttcatgaat gaggatgtgg

240aaacagaagt tctaagcatc tgctttaatg agaaggggtcc tggatcatgcc atgcctgtgg
300ttgactcagg aaacaggcag gaggataccc atgggtccga tggagatggg gatggggaga
360ttgtggacga ggatgcagcg gtggcgg

387

<210> 2025<211> 386<212> DNA<213> Homo sapien

ggcacgaggc ggctctctcc gcgcctcgcg gcatggcgtc ggagggggccg cgggagcccc
60aaagcgaggg catcaagtta tcagcagatg tcaaaccatt tgtccccaga ttgcccgggc
120tcaatgtggc atgggttagag tcttcagaag catgtgtctt cccagctct gcagccacat
180actatccgtt tgttcaggaa ccaccagtga cagagcagaa aatatatact gaagacatgg
240ccttttggagc ttcaactttt ccacctcagt atttatcttc tgagataact cttcatccat
300atgcctatc tctttatacc cttgactcca cacagaatgt ttactcagt cctgggtccc
360agtatcttta taaccaaccc agttgt

386

<210> 2026<211> 383<212> DNA<213> Homo sapien

cccttttggg gagggcagag ggggaattga ttttaaatat tgttttcgcc tcatcaaag
60tcaccatcca gtttagctac tggattcac tggatttct caaattggag tgcgaatgc
120ttagggtttt gaaaaccgcg gcattggaaa gctttgatag gaagtaaatg ttggagctct
180tatttctcca gttagcaaat gtcgatgcc tggatactg ttagggtcca aatgaacaga
240atagaaaccc tgctttgaag gagaaaaaca ctgaagagaa actacacgta attagtgatt
300actgcgcagt atagcttagg aagtgtctacc gtagtagaat aatctacagg ggagtgatta
360acagtgttg ggtaggctag acg

383

<210> 2027<211> 384<212> DNA<213> Homo sapien

cgttgctgtc gcttgctttt tacagagcca tgaagcagca gatgcaaccg aatctgtgc
60agcatgagcc acagacgttt acgggaagaa ccggcaggag gcgcgggaa actaaagggc
120tcagctctc tgagtggtgg ctttgccatt gtggtgtgc gagctcagcc tctggaaac
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240ggcaggactc ccgagaacag gttcatgttt gctttttggg aggtgtgcg ctaaagtggg
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384

<210> 2028<211> 382<212> DNA<213> Homo sapien

cgttgctgac ggcggctgga tggctcttat attccaaaac tcaccccaag cctctcctgc
60aggggtggcc agagattgat ccccagggc tgggttaggc atccctggtc atgccccaaa
120gcgcctgggt ctctgctcat caccttagt gtaaggatcc atttactcat ctgcctctcc
180cgccctcttc ccttctctcc cctcctctcc cctcctttcc ccttctcttc ctctccttcc
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300gcctagagaa ccttgctcaa tcttaagccc gcacacctgc cgtactttgg gatcaccccg
360ggaaccttaa catgctgatg cg

382

<210> 2029<211> 382<212> DNA<213> Homo sapien

cgttgctgtc ggcagaacta ctactaaga actactccct gtttgtgagg attgtacctg
60ttgagagaag ttgcaaaaag aattagtcaa aagaattagt caaaatttgt cctctgacct
120aggtctgaag gacatttaac acattgattg ttctcttcat ccagcctttg agccctatga
180gttagtgccc ttagcctttg agtcccacag gtatggagga gctacctgtg gggacctgag
240ccatcactat tctgtctca agttacactg gtgcctctca ctgactgc tctgaaaagc
300cagctggaaa aatcaatgca tttgagtaca taaattcttt ggctccaaag aaatgccata
360gcaatattgc ttttaattca gn

382

<210> 2030<211> 402<212> DNA<213> Homo sapien

ggcacgagat tatgattata gtaaacagac tagtgggtag taatgctaaa ttaccatcac
60agttatgtgc catctccccca cccattttt tttttttttt ggatcaccaa aaaaatccgg
120gaaaccagcc tgaggggggg ctgaccttgt taggaggggg gcaccaccac agggggggga
180attaacgggg accccgggct ccaaaaagac caaaaagggt gcccttgggg cccaccctaa
240cctaaaaaaa aagggggccc taactggaat tcggaaacaa gcggatttga aaacaaaaaa
300aaaggatttt ttggccccct ttttaacaa gcggccttaa aatttggaag accccggcct

360aaaaaaccta gaaaaaaagg ggaggggaaat ggagggcaaa aa
402

<210> 2031<211> 382<212> DNA<213> Homo sapien

cgtagctgtc gggaggggtt gaaggagacc atcagctatt gtgtgatatc agacaccatg
60gtgatgtaac ggatttacag ttttttgacc aggaaagaat tgtcgtctgt tcatcaacag
120gatgtgtaac agttttcctt caccatccaa ataaccagac tctgtcagtc aaccagcagt
180ggactacagc tcaactaccac acaggccctg gcagtccttc ctatagcagt gcaccatgta
240caggtgttgt gtgcaacaac ccagaaatcg ttacagttgg agaggatggg cgaataaatc
300ttctcagagc tgatcacaag gaagctgtaa gaaccataga caatgcagat agtagtacac
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382

<210> 2032<211> 401<212> DNA<213> Homo sapien

ggcacgaggt gatcaaggag atggcagctc atatccgtga ggtggagcag agccgacagg
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120cacctagaag ctggaaaggg atgaacagcc aagtagcttc cagcttacag cagccctcaa
180atttggacct gccaccagct ccagagcttg actggatgga gacaggacca tctctgacat
240tcattggcca tcaggatata ccaggagttg gtaacatcca cttaggtgcc acacctcctt
300ggatgatcca agatgaagaa tacattgctg ggaaccaaga aataggacca tcctatgaag
360aatttcttaa agaaaaggaa aaacagaagt tgaaaaaact c

401

<210> 2033<211> 396<212> DNA<213> Homo sapien

ggcacgagat tctccgggct tatattcatt ctctgcttct ttctcccttc acccgtggga
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120ttttggagat ttctcttcag ctacaaatgt tccagtacaa ccaatattac tcttgagggg
180caaagacttt ttcataattta tgtccctagt atctggtatg gcgcctggca tatggcattt
240cagaatatgt tcatagttga aacagtagga tagatatttg tcactctgac aagtagccct
300ttgcaattta tacttgagtt cactcctggg caatggcaca tggctggaaa atgcagaaag
360caaattcact tacagcctga ggcttataaa gcttgt

396

<210> 2034<211> 396<212> DNA<213> Homo sapien

ggcacgagaa cagaagtgtc tggagtagtt ttcaggtata ggaatgagat gcctcgtggg
60gaaaggatct caccctggga agatgtgggtg cccctccag ggctctggag gatggatgcc
120tccccaggg gctctccaag ctgggcattt gggcctgggt gatgccaaacc tggataacct
180gtggcccagc attgactgtc caccagcctt tgtgttagg caccatgact ccaagatgaa
240gatgtggtcc ctgcccttga gtgacagccc agggacttaa tgtggccatc gggcatcaag
300cacaaggcca tgcaggtgat gatacgtcgg aatagaggca ccagccctgg taactgcatc
360ttctccctt gccaccccat ggccccggct gaaagc

396

<210> 2035<211> 392<212> DNA<213> Homo sapien

ggcacgagat catatccagg atgccccaca tacaccaagc caggcagagg gcagctcagc
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120ccactgccca cagagccagg ccagttgtg ttggagtata ggtcaggagc tgtggaagga
180ggcagctgtg gagggactca tgctttagga gtctcacc ctcagactgc tgcaggacat
240tgccaggcct ctctccactt ctttctcag catacagact tcatgctatc ttccaattcc
300ggggagtctt agctattagg gcagtttctg cttctccatt ttggggacaa aggccttgcc
360cagtacaaat ctagccctt gtcccacaga cn

392

<210> 2036<211> 389<212> DNA<213> Homo sapien

ggcaccagat ctttccctcaa agcatgggtg ctgagtaccc agagttgcga ggagtttttt
60aactgattta gccaggtggc aatcatgagt gaatggatga agaaaggccc cttagaatgg
120caagattaca ttacaaaaa ggtccgagt acagccagtg agaagaatga gtataaagga
180ttgggttttaa ctacagacc agtctctgcc aatattgtcc ttgtgaactt cttgaagat
240ggcagcatgt ctgtgaccgg aattatggga catgctgtgc agactgttga aactatgaat
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389

<210> 2037<211> 397<212> DNA<213> Homo sapien

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120cctccccact aggaacaggg tgggaaagtc tgctcctgag ccaggagtca ggctgggagt
180agcaatgctg ggaatggagg tgtgtggccc tcatggcct cctctgggaa gccccagca
240cagatgtggg cccactcaga ggctgcctcc tggacctccc cttctgctgg accccggcgt
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360tccgcaatta tatccattc tctggagga ccaggac
397

<210> 2038<211> 389<212> DNA<213> Homo sapien

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120cacgaatatc cctgtcactt ctccagaggt gtgaggtaac taacacgagc attctttgaa
180gactctgggc acatgaatga tacacagaat tgaatgttta aatttccact ttgagtcctc
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389

<210> 2039<211> 391<212> DNA<213> Homo sapien

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120aactgtgtct ctacctgagc tccagttgtt gagcgctaag gggcaagtgg aaaccagat
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240tcatggctgg tatctccatc agatgctgat ttggggccat ctgtgtatgt accctgtgga
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391

<210> 2040<211> 395<212> DNA<213> Homo sapien

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120tcttgagagag ggaggagggg ggcagctgcc acagtgggaag taaccttgaa cctcctgtga
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240cagcccacga ggctgtatct gaggggtgag cctggcacca gcgggtgtc cgtgactgcc
300tgtggcagcc ccgccacacc tcgtgccact cgccttctg gggcgtccgc gatcgccagt
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395

<210> 2041<211> 392<212> DNA<213> Homo sapien

ggcatgagaa gaagctctgc ttggtactac tattatgaac aacattgtta tttggaattt
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120tcacaaagcc tattctgaaa tggggcttct ctttattgtc ctgagtcac cctgtgccaa
180agagagttag tcgttgcgaa gccctgtgtt tcagtcatt gtgattaacc ctaagacgac
240tctcagcgtg ggtgtgatgc tgtactgtct tctccaggg caggctggca ggttcttgga
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392

<210> 2042<211> 401<212> DNA<213> Homo sapien

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120aaccatgtgg tgctttggaa agtcctatgg caacaataac caagataaca aggcgtcgcc
180atgaaaatcc acccatgga gtaacaagtg tgaaagaatg gttcaattat gttacagcta
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401

<210> 2043<211> 398<212> DNA<213> Homo sapien

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300tgtttctcac ctgctggctg gacccctga agggccgttc ccagaggctc ccagagggc
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398

<210> 2044<211> 397<212> DNA<213> Homo sapien

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120tatgcacaag gtaggactta cttcgtaga aacaaaatgc cagtattttc ttaagccatg
180atgtgaaacc aatgacctg tgaccacatg gcacagaaca ctaaattttg gtcccatggc
240tgaaacttga gggtgactaa aagtaatgcc tgtgaaacat gatattctatc tgggatggcc
300atttgatctc taaaagggaat tttgtacact ccacagaact cctattctata gtaaaattga
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397

<210> 2045<211> 394<212> DNA<213> Homo sapien

ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagcctc
60agcaatagag tgagactgtc tcaaaaaaaa aaaaaaaaaa acccccccca ttttcaaaaca
120accccggaata atttttttcg ggggcccttt taataaaaaa ccacgggggtt tttacttttg
180tattttccca aaccccttg gggcaggggt tggggggcgg aatttttttag ggccctcaaa
240aaaatccttt ggggtttgaa aaccgggaaa accggggcat taccctttt tgggaagggg
300gcaaagcctt ttttttttg ggcctttctt tttttgagaa ggggtcttc cttgtcccc
360ctgcttaaaa accctggtgc aaaccgtgc taag

394

<210> 2046<211> 397<212> DNA<213> Homo sapien

ccaaaccac gtcaaaaatg gcttgttttc agcgatgta taaaacaaag gcctgttttt
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120ttgaataaaa taaaaatttt gtaataaaac ttttaaaaat cagtgtatga aaatcaatat
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240tgttgtaaaa aaattgtgct atggctgcct tttcttctgc ccacaacac aaagggtat
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360aactggagta aataatgggt ttcttacttg cttanaa

397

<210> 2047<211> 400<212> DNA<213> Homo sapien .

ggcacgagct ctggggctac aggtgaggac aggaggggga gctcccagcc tgagagttgt
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120tcccatgtac tgctggatc tgagtcaaga gtagccaaa caaagccacg tcacgccatg
180aaacggaagc ggacagcaga taaatccact agtacaagt atcctgtgat cgaggatgac
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400

<210> 2048<211> 401<212> DNA<213> Homo sapien

ggcacgaggc taccctcct cctgttctt cctccagagg tagtctctgt taccctttta
60tttgtttctt ttatgggttt tttgtgtga tttatacaaa tcgatgcaca aagagggttc
120ctcttctctca taaaagtgt tattagtctt cagtgcgcct ttttttctc taacaaatgt
180aaactgggag cattttccca agtacatatt tataatactt acggggccta tctagtattc
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300ttgccattat aatcaatttg caaagaaaat tgctgaaccc ttgttttttc actagagata
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401

<210> 2049<211> 401<212> DNA<213> Homo sapien

gggccattac ccagccccg gccccgggtg cctctgcgtc cgtgccaggc ctctgatgc
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120tgtgacccca ggccaggga cggggaggaa accaaagaaa accattttca gggagctcag

180acgtcacagg agggagcggg agcaggatgt ggccctggcc tcgccagagc acctgaagaa
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300tccaggcctc tgttgcttac tgcaccacac ctgggggggt gggagcgtcc tctaggtgcc
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401

<210> 2050<211> 401<212> DNA<213> Homo sapien

cgttgctgtc ggtgtgtgt cagtggagat ggtgttggt gtctgtcgtt ggagatgggt
60ggggctgtct gtcggtggag atggtggggg ctgtctgtcg gtggagatgg tgggggctgt
120ctgtcagtg agatgggtgca ctctgactgc tattattcta catttcactt tgcactggta
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300gcccgtctta ggatccccac cctgctgttg aagggggccc attcttcaac gcttcataag
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401

<210> 2051<211> 395<212> DNA<213> Homo sapien

gccccacatc cagaatgtga tgggacaaga tgggggcagg ggcctcacct cctgacagag
60gtccggccag gtctccttgt cctgggacaa tctcctgagc ctctctgctt ggtggagcag
120gcacctgtgt gcagaattcc cactgtggcc agcacaggga agtcttttct agtgaaaatg
180tgtcttggg tcaggaataa ttatccttcc cctgttagcc accaaggagg gcaaatagag
240aaaggtaacc taattgaagg attggtcatg tgaaaagggc tacatttggg aagctgggaa
300aggcctccag gcttctagag cagctagctt gggctggatt ctacacacca ggctgcccct
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395

<210> 2052<211> 390<212> DNA<213> Homo sapien

ggcacgaggg tgtgtctgcc acccgccctt ctcaagtga gctctgggtc gagagagggg
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390

<210> 2053<211> 388<212> DNA<213> Homo sapien

cgttgtgtc ggcagatcac ttgaggtcag gattccaga ccagcctagc caacatgggt
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120cccagctact cagggagcct gaggcaggag aattgcttga acacagaagg taggcattgc
180agttagctga aatcacctca ttacactcca gcctgggcaa cagagcgaga ctcttcttta
240aaaaaaaaa aaaaaaaaaac tccggggggc gttttttaag aaaatccaaa ctggataaaa
300accttggggg agttgggaca acccccactt aaaaggcggg gaaaaaaagg ctttatttgg
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388

<210> 2054<211> 397<212> DNA<213> Homo sapien

ggcacgagca gaggtgggag gtgatgagac tcaagactac agagagaaga aagggccggc
60agcccagatc ccagcccccac cctcctgtcc ctgcattcag gcagagcaca gagggataaa
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240gacatcatgt taccccacat gcatgtgact tggccagagg agacagagtc ttcattgtgaa
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397

<210> 2055<211> 390<212> DNA<213> Homo sapien

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390
<210> 2056<211> 403<212> DNA<213> Homo sapien
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403
<210> 2057<211> 391<212> DNA<213> Homo sapien
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391
<210> 2058<211> 396<212> DNA<213> Homo sapien
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396
<210> 2059<211> 402<212> DNA<213> Homo sapien
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402
<210> 2060<211> 395<212> DNA<213> Homo sapien
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395
<210> 2061<211> 387<212> DNA<213> Homo sapien
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387

<210> 2062<211> 390<212> DNA<213> Homo sapien

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390

<210> 2063<211> 401<212> DNA<213> Homo sapien

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240tcaagagcgc ttccttgtgc ctctcagca aatacagga tctggagttt ctccacagct
300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc
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401

<210> 2064<211> 398<212> DNA<213> Homo sapien

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300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc
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398

<210> 2065<211> 388<212> DNA<213> Homo sapien

ggcgccaggc gaacctcatg atctatatga tgatctcctt ctcaaacttg ggggatgtga
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120ggccccatata gtaactacc gatctcctgg aagacggacc cagcggcact attcaacct
180ccaacacctt atgtgttcaa tttgtgactc acgtgcacat ttatcagaaa acagtccctt
240accacgaaaa gtctcgtcgt gcttctctgt ctccaggaga ggacatctcc tgtattcctg
300tccagcccc ctttgcgat actgtcctgt gcctaagatg ttggaccact catgtctttt
360cagacattcc tgggataaac agtgtgac

388

<210> 2066<211> 397<212> DNA<213> Homo sapien

cgttgctgtc ggaccgcat cctgggggtc ttctctata acaagaccaa gtacgatgca
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180tatcagtacg gccgcaacaa catcttaaca gaccacttcc aatacagccg gcagagctac
240ccaaactcgt acagtttgaa ccgctatgat gtgtagagtc caaaggacag gaccagactg
300ttggtgactc cttccccggc cccacagca gtatcagaaa cttctgacaa tcagtgaatg
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397

<210> 2067<211> 395<212> DNA<213> Homo sapien

cgttgctgtc ggtgggcttg ctccattgtg ttggtgcaac ccagcagcg gtctctggg
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395

<210> 2068<211> 399<212> DNA<213> Homo sapien

cggtgctgtc ggtgggcttg ctccagggtt ttggttcaac cccagcagcg gtctctgggg
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180gaaggtccca agcagctgct gaggcccca aggaagtggg tccaaccttg gacctctatg
240ggctctggatt tgctggttaa caagataacc tgagggcagg accccatagg ggaatgctac
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399

<210> 2069<211> 400<212> DNA<213> Homo sapien

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120tatatcctgc tgccccgaat cattgaagcc agtacttgg atgtcatgga cgctgagcac
180aggccttgac tggcagaccc tgcccacgcc ccattcgcca gccctccacg tctctccagg
240ctggctcttg agctgtgagg ggaggtgtag gtgtgtgggt gactgctctg tgctgcgcct
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360cacccctctc ccattatcct ttagctttag gccaagagcg
400

<210> 2070<211> 389<212> DNA<213> Homo sapien

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120gtgggcttgt cagtgaacaa aggtctaaac ttcagcaaga aaataaacag ttacggaaag
180agactgagag tttaaggaag attgccctgg aggtcaaaa aaaagccaaa gtaaagatca
240gtacaatgga acatgaattt tcaataaagg aacgtggatt tgaagttaa ttgagagaga
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389

<210> 2071<211> 382<212> DNA<213> Homo sapien

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120gagagctggg aacccctccg tggtaagaag cgaagccgtg gccctaagtc agatgatgac
180gggtttgaga tagtgccctat tgaggaccca gcgaaacatc ggatactgga ccccgaggc
240cttgctctag gtgctgttat tgctcttccc aaaaaggcca agagagacct catagataac
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360gaggaaaagc agcaccggat ac
382

<210> 2072<211> 394<212> DNA<213> Homo sapien

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120acacgtccct gaagcccact gagatcctct acctactga gccctatgac tggttcctct
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240attttttgaa gcatattacc tccgaggagt tctctgctct gaagaccagc aggaggaaga
300gttttgccagc ccgggatgga ggcttcaccc tggagacat ctgcatgctg agacgaaagg
360accgtggcag caccaccagc cttggcagcg actn
394

<210> 2073<211> 384<212> DNA<213> Homo sapien

cggtgctgtc ggtctgaatg ccgcctgcat ggcattgggt gatgcagggt tgcccatgcg
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120tacatccaag caagaaaagg taggtgtgaa gaccaggggt gctgaagggc agaggccaga
180cagctgcccc tcccttcttc caggcctcgc ttctctacag acagtgggt catgccacct
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300aaccagctc agacttgctt aattaggaag gaaatgtggg gccgggagcg gtggctcacg
360cctgtaatcc cagcactttg ggag
384

<210> 2074<211> 393<212> DNA<213> Homo sapien

ggcacgagga aaacttcaat gaaactgaat aaaacaactt cctctgtcaa aagcccttcc
60atgagtctca caggctactc aacacctcgt aacctccaca tagcaaaagc cccaggctct

120gctcctgctg ccttatgttc tgaatcccag tcacctgctt ttcttggtac atctttcttc
180acacttactt caagcccaca ctctggcact tccaaaagaa gaagagtaac agatgaacgt
240gaactgcgta ttccattgga atatggctgg cagagagaga caagaataag aaactttgga
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393

<210> 2075<211> 400<212> DNA<213> Homo sapien

cgttgctgtc gaccaacacc aagtactgct tgtgccagat gctacgagaa cagctggagt
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120gccttggtgc cttctatgag gagaccacac aggagctgga tgcccagcag gccaggctct
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240tggctgtcaa gtttgaccgg agagcatacc cagcccagat caccctaag atgtgcctac
300tanagtgggtg ccggagggag aagttggcac agcctgtgta tgaaacgggt caacgcctc
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400

<210> 2076<211> 403<212> DNA<213> Homo sapien

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120cgggagatcc aggtgatgat gggcagcctg gtgtacctgc ggctgggctt ggagaagaca
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240gacgcctgtt ccttctgtgg gctttctgtg gagtcccccc ttagcgtcag ctttgcctct
300ggctgtgtgg cgctgcctgt gttgatgaac atcaaggctg tgattgagca gcggcagtgc
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403

<210> 2077<211> 400<212> DNA<213> Homo sapien

cgttgctgtc gctcactgca acactcttgc cttccagggt caagagattc ttgtgcctca
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120aattactcat ttgtctgtct actttttatt ataaagattg tggcaactct gcttaggact
180ctggattttt ctgcccaatt aaggtaaaaa aagaaaaaaa aaagcaacca ccaccataat
240attacccagg aaaccagctg tgttctgtaa aaggccggcc tatcagattc aagttgcaag
300ccttatacac agtaagtgtc tcatgcacat atccatgagg attcacataa gctgccatcg
360gcccacataa ggataaacta aaacaagaa tcaacatggt

400

<210> 2078<211> 391<212> DNA<213> Homo sapien

ggcacgaggg agcgtgggtg ggacacggtg tctggtgtan acggggagcg tgggtgggac
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120cgtgggtggg acacggtgtc tgggtgtagac ggggagcgtg ggtgggacgg tgtctggtgt
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240gggtgtctgt gttagacggag agcgtgggtg ggacggtgtc tgggtgtatac tgggagcgtg
300gggtgggacac ggtgtctggt gtanaccggg agcgtgggtg ggacacggtg tctggtgtat
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391

<210> 2079<211> 398<212> DNA<213> Homo sapien

ggcacgagcg gtcgaggagc tgcggccagt tttgggaggg ccggcccccg gatgctacac
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120ggagggcatc tccagggtca ccatcattga tcttgatgcc catcagggca atgggcatga
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240cccaggggac cgctttgcca agcaggccat caggcggaag gtggagctgg agtggggcac
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398

<210> 2080<211> 397<212> DNA<213> Homo sapien

ggcacgagga caggaggaag aaacaagtat aaagggtttt gttttggaaa gaagttggaa
60tctccagacc ctgggacctt aagatccaca gaattgctga aagaaaaagt actaccttat
120tgaaaggatg aagaaacacg aaaagattat gattacatgc tggatcatcc agaagagtac
180tacagccatt actaccacta ctatagcagg cgcttggccc ctaagggtga tgttagagta

240gtgatttttg ttagcgtgtg tgctatttcg gtgtttcagt ttttcagctg gtggaatagc
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360attgccaagc agcagggact gctcaaaaaa gccaaag
397

<210> 2081<211> 403<212> DNA<213> Homo sapien

tcaattccgt tgctgtcggc ggcggccaca gttggggccg gtggctccgg aacgagatcg
60ggaaggggaac agtccactaa ccctgccgat agctatcatc tggcccggag gagaaccctg
120caaggggggtg cgagctcctt gctgacacag gcagggtttg agagtgccga aaaagcatac
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240tcttactgtg agcacacagc caggacccag cccacactgt ccgatatcgt gggcacactt
300gttgagatgg gtttcaatgt ggacactctc cctgcttatg caaaacggtc tcagaggatg
360gacatcactg ctctccggg gaccaatcag ccagtgaccc ccc
403

<210> 2082<211> 394<212> DNA<213> Homo sapien

ggcacgagcc caaagtcaaa caaactgact tacagaagct ggcacagagg gaggaagccc
60tccaaaaaat acggcagaag aatacaatga gacgagaagt aacgggtggag ctaagtagcc
120aaggattctg gaaaactggc atccgttctg atgtctgtca gcatgcaatg atgctacctg
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360ccaaatacgg agacagaaaa gttcatcaca tgcc
394

<210> 2083<211> 385<212> DNA<213> Homo sapien

cgttgctgtc ggggaattca ttcaagactt tcataaactc accgcagctg acgataaaac
60tgctcaggta gaagattttc tgcagtttct ttatgggtga atggcccagg atgtcatatg
120gcaaaacgcg agtgaagaac agcttcaaga tgcacagctg gccattgagc gaagcgtgat
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240ggttcttcat gaacatatcc agagattgtc taaagtagtg actgcaaatac acagagctct
300tcagatacca gaggtttatc ttcgagaagc accatggcca tctgcacaat cagaaatcag
360gacaataagt gcttataaaa cccc
385

<210> 2084<211> 386<212> DNA<213> Homo sapien

cgttgctgcc tgaatgtatt cgagcactat ttgggggatg acacgactag ggagcatcca
60cctgtgtgag acagctgtga taactatgac gtagagcct catgcagatc caataacacc
120gccagtaaac agacgaaaca tgccactgac ctggatttaa ctgaacaggg attaggccct
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240tgtacctggg tcacaagcaa tgcctactct agtccaagtg tagtcctggc ctcatacaat
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360aatacagatg aacatgcacg agtaatgn
386

<210> 2085<211> 403<212> DNA<213> Homo sapien

aattcggcac gaggtagcat ggagggggag aggcgtagg ctgtgctctc gggctttgtg
60ctcggcgcac tcgctttcca gcacctcaac acggactcgg acacggaagg ttttcttctt
120ggggaagtaa aaggtgaagc caagaacagc attactgatt cccaaatgga tgatgttgaa
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240taggttggtg caaattccgt cgtcattcag atcagatcat gacgtttaga gagaggctgc
300ttcacaaaaa cttgcaggag catttttcaa accaagacct tgtttttctg ctattaacac
360cgagtataat aacagaaagc tgctctactc atcgactgga aca
403

<210> 2086<211> 390<212> DNA<213> Homo sapien

cgttgctgtc gctcctttgt ggccctctg caagagaagg tggcttttg attattttt
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120gaggggggtc ctgggtctt ctctaaactg gattactctg gtattgctct tctgattatg
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240tacttgattg tcatctgtgt gctgggcatt gcagccatta tagtctccca gtgggacatg
300tttgccaccc ctgagtatcg gggagtaaga gcaggagtgt ttttgggcct aggcctgagt

360ggaatcattc ctaccttgca ctatgtcatc

390

<210> 2087<211> 383<212> DNA<213> Homo sapien

cgttgctgtc ggctggatgat agctgtgtta cctgccaaat ctccaccaac aaataaaatc
60ggaagtaaat ccagcaatgc cagttggcct ccagaattcc aaccaggagt gccatggaaa
120gggtatccaaa acattgaccc tgaatctgac ccctatgtca ccccaggaag tgtgctgggg
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240gggtctaatt ctccctcaa caccctcgctg ccttcacctg gtgcctggcc ctacagtgc
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383

<210> 2088<211> 402<212> DNA<213> Homo sapien

ggcacgagca gacatggcgg tggtggcggg gaacagcggg gagacgtgct acagcaagta
60cggggccatg gccctcaaga gccgggcctg ccacgagatg gccctgagaa tcgtcttgca
120cagcctggac ctccgcgcca actgctacca gcgcttcgtg gtgccgctgc tcagcatcag
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240ctcagccagg gccaaagtct ctgcagcctg tgggtccctt gtgaccccg agtgtgaaca
300ctgtgggcaa cgacaccagc ttggtggccc catgtgggca gagcccatcc atgacctgga
360ttttgtgggc cgtgtcctgg aggtgtgag cgctaacccc gg

402

<210> 2089<211> 381<212> DNA<213> Homo sapien

ggcacgagtg cagcctgtg atcccagcta ctgagaggc tgaggcagga gaatcacttg
60aactcgggag gtggaagtgt cagtgaagctg agatcgtgcc actgcacgat ccgcttgagc
120gacagaatga gattccatct caaaaaaaaa agtacttaat acctacttta aagattgtca
180tggaatatata aagratgtgg cccttactaa tgctagataa tgctttgctt tcttttattt
240gcatcttacc ctcttcctg agtattgata ctgtcttaaa catagtaggg ttgattaga
300tatttgctgg ttgccccttc acttcaggg gatacatata aatgttggtt ygtattggat
360aatgaatatg atgtttctaa a

381

<210> 2090<211> 367<212> DNA<213> Homo sapien

ggcacgagga gctttgtcaa aatacctggc ctctagttct gagattttat tattgttcat
60tagaccagtg ctagggcatg aatgttttgt gtttatcttt tttttttta acctttattt
120taagggttaag ggaacccag aagggttggc cccataggaa acctggggcc acaggaattg
180gtggaccatt taattcctcc ccccgggggg aagccccagc ctaaaaaagg aatttttttg
240gccccctttcc tttccccccc ctcccccctt aaaaaaaacc ccaggggcaa tggttccttt
300tttggggcca aaaagtctta acatttcctt ccccttaaaa agggaaacca gcgcggagtg
360aattttg

367

<210> 2091<211> 363<212> DNA<213> Homo sapien

ggcacgagat agggtagtct tgactagata taaccaaggg ataaaagagg attagctgac
60tcaggataac atttcaggtt tgtgaagatg aatttgtcct ttgaaacaga tctttttaga
120aagggtgttt cataatttct gaccgaagta ttgtttacac gtaaaataag taagaacgga
180ctgaggccag aaagctgtgg atgacagaag ggattgggtgc attctcagtg aattttgata
240caaattaagt atgtgggtag tttttaata catttactat atatatatat taatgaaaaa
300ttgtttccta aactgtgaaa aggccttatta aagaaattta gaggttggtg gcggtgactc
360atg

363

<210> 2092<211> 380<212> DNA<213> Homo sapien

ctttgatcct tctggaatta attttgggtgc attgactgag gtagggggtc acgtttcctt
60cccgatgtca gccactactt ttggtctttt aatctataaa agcagggcac tgggttagaa
120tttccctaaa ctcttatata tcaaacaaag cactcactgc aaacttgatc aatagaggaa
180agtatgcttt tttgtattt taccttttac cagtttcact tactgtaaat cataagggtg
240ctttacatag tagaaaaata gcattatctt aaacctggct ttttattact aaatatatca
300ctaaaaatgc ttacaaaagc agtaatgatt ttatttcttg gggaataaaa tcaagaaagc
360taaaggagct gctatgccac

380

<210> 2093<211> 375<212> DNA<213> Homo sapien

ggcacgagac gaaaggaaac cttacagaaa catgaagccc tcaaccatct gctactcagt
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120cctgtagtca ccagatggag tcccaaacag ccaagcagat gtaaggcctg tgctgtggct
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375

<210> 2094<211> 369<212> DNA<213> Homo sapien

ccgttgctgt cgggctgagg acttatctgg ggttctgaga ctccctgtcc cggaccgcag
60cggttaaaagg atctgaacaa agtctgtctca aatctcctgc tgtgaaccag cagaattttt
120gaacaggttt cttcacatat aaaaatctat tgtaaaaata cggaacagaa tggcagcgga
180aacgcagaca ctgaactttg ggcctgaatg gctccgagct ctgtccagtg gtgggagtat
240tacatcccct cctctttctc cagcattgcc gaagtataaa ttagcagatt atcggtacgg
300cagagaagaa atgtagcac ttttccttaa agacaacaag ataccttcag accttctgga
360taaagaatt

369

<210> 2095<211> 377<212> DNA<213> Homo sapien

cggtgctgtc ggccacgaac acagccttgg gcccaagggtg atgcgcgccg ctcttgagtc
60cctcagatgc caaacgcaaa aaaaagcctt ctctctctaaa gacacggaaa tgcaccgagt
120ccggctctgc ctacccccca aatccttccg gtcccccaac tcggcagcca aaatcgaaaa
180ctactctcgt ctacgcgcc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc
240cccggccgct gtcgccgact taggacggca tcccagagact acccttctca aggccgtatg
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377

<210> 2096<211> 372<212> DNA<213> Homo sapien

cggtgctgtc ggccacgaac acagccttgg gcccaagggtg atgcgcgccg ctcttgagtc
60cctcagatgc caaacgcaaa aaaaagcctt ctctctctaaa gacacggaaa tgcaccgagt
120ccggctctgc ctacccccca aatccttccg gtcccccaac tcggcagcca aaatcgaaaa
180ctactctcgt ctacgcgcc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc
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372

<210> 2097<211> 148<212> DNA<213> Homo sapien

ctangaaaga ccccttctctc ttgcagtgtg tctccagcgc cctctactga caaagtatgc
60catcatgcaa gctgcaaagg aacatttca agagtctata tctattttca cggagcggg
120accaacagtg aatgtggagc tgagagag

148

<210> 2098<211> 379<212> DNA<213> Homo sapien

ggcacgagag aatgcctcca ggctgggtcat tccatgtgac tagtgcaggg ttgcatggga
60gaggatagct gatgaaccca gattgtgaaa ggctttgtgg ctctgtctga ggattgtggg
120cttaactctg ggtattgtgg agctgttaaa acacatatta aggagtgcag tgatcagatt
180ttccttttta aagtgcattc tgtggagcag taattcttag ctatggagtc caccacaaac
240tttgtcatga taggtgtgga ggtatattaa gtatatgtta ccaataataa aatatcaggg
300cttacacatt aattgatttt ttaataagtt aaagcaagtt gaggttatca ctgtgatttt
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379

<210> 2099<211> 375<212> DNA<213> Homo sapien

ggcacgagat acattttata tttggaagggt tgtccaagggt caggtgggag cagtatagta
60tatgcatgct caggcagggc tagagtttga cctcaccacc tcaccagtca tattagagta
120gctgtccaga caagggtgtgg gacacaattt cttatcagac caacaacctg caaagcagtc
180ctcagtcctc atttccctcc tgcttgtgac cagctatcaa aacctcaact ctggctaaat
240ccagcaatcc gcctaggttg ctgagcactg ctagagacaa atcatacaac tatgcaaatc

300agtgttacta tatgatcact aacctcgtat gaaccttcac tgtgcttgca acatcagctc
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375

<210> 2100<211> 371<212> DNA<213> Homo sapien

cgattcgaat tccgctgctg ccgaaaactt ctggtatttt acccacgaag aacttcacgg
60gtccagtgga tttgccctta tggccgagtg tccatacaca ctccaaaatt cttttatcag
120ccacaagatt agttcgtggt tcaacatctg tagcttcagc acatactgat ggaaaaataa
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240ttcaaattga gtgaagcctt atgtggacta taagttaga attatatact cttattgata
300acttgccctaa ttgctatgct gaaagagact gcaggagaaa taggcatcta tctctgcatc
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371

<210> 2101<211> 373<212> DNA<213> Homo sapien

tccgttgctg tcggtttcct tgttggattt tcttggtctc tgctgctact gtaaaaacga
60aatgagtggt cctgctcagg ttccaatgat gtccccaat ggttctgtgc ctcttatcta
120tgtgcctcct ggatatgccc cacaggttat tgaagacaat ggtgttcgaa gagttgtcgt
180ggtcctcag gcaccagagt ttaccctgg tagtcacaca gtctccacc gtctccaca
240tctcctcta cctggtttca ttctgtccc aactatgatg ccgctccac cagtcatat
300gtactcacc gtgactggag ctggagacat gacaacacag tatatgccac agtatcagtc
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373

<210> 2102<211> 381<212> DNA<213> Homo sapien

cgttgctgct gaactgccc acatcatctg cagtaggacg ggggagttgg agccctggtc
60aggccactct gctactgacc acagttttct catctctaaa aaggcgcagt aacaatataa
120ttaccgtatg cagtcctccc ggatacaggg tcaaaggaga ccacaaccat cgcagatgga
180agcccatggg gcagggccca ggacacagtg agcatacaat agacattagc tgctgtggg
240tcttgatttc aagccagtg cagatgcac tgacttacga aacttcagtg acacctgctc
300tgtgccagac actgaagatg gagcagtga cagcactgac ccagccatgc ctctgttgc
360ctgcaggcca gaagcaaggc c

381

<210> 2103<211> 362<212> DNA<213> Homo sapien

ggaccaagac aaagttaagt aaactctgga gcagtgtatg tgatgagtgt gtggcagggg
60gttttttatt ctgcaaatt ttgtgtacgt ttgaagctac cacagaatag cagatattag
120aatgattcct gctgactcac cagtgtttc aactgttcac aggggtcagg caggaagcag
180atctcttgcc ctccctctga tccaggtcac ttagtccagc cctgaaagc agtggatgga
240caaccatgcc accctcttcc ttccaataca ccttattttg tatcctgccc tttttgtgta
300gcattagatc atgagcattt tctctgcta taaatgtccc ctcaaataatg ttgattcttg
360tg

362

<210> 2104<211> 375<212> DNA<213> Homo sapien

cgttgctgct ggtcttgga gaaggaagcc ttctctttt ggcagaagtt tcaaagtgtt
60cttatttctt gtctactaa ggcagtaata gcatagtgat ggacctggtt gggtagtggg
120ggacagctga aaaggcagga gttttacttt tgtttgaaaa gagaccacat cacatatagc
180atctcaccat tcacaaagtg tacatccacc gatactactc cactgttaga gccttcgtcc
240tcctatggca gtagtataag aaaccttcca ccaagtcaga gtgctctaac tgatgccaaa
300cctaaacctg gaaataaaga ttttcttgga gcagtaagac ttcagactgt tggttgagct
360attatctcaa ggtag

375

<210> 2105<211> 367<212> DNA<213> Homo sapien

ggcacgaggc cgatggagga ggggaggtct gagcagagtt cgggtgtgcag gcgtaatggc
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120aactttttcc ttgcaaac acacgatcca gatccggcag gactggagac acctgggagt
180cgcagcggtg gtttgggatg cggccatcgt tctttccaca tacctggaga tgggagctgt
240ggagctcagg ggccgtctg ccgtggagct ggggtgctggc acggggctgg agggcataat
300ggctgccctg ctgggtgctc atgtgactat cacggatcga acagtagcat tagaatttct
360taaatcn

367

<210> 2106<211> 375<212> DNA<213> Homo sapien

acggggacgag ggctcttgct ggtcccatgt tgccctgccct ccgaggagcc tcgccaggca
60gcagctgccg cctcatcagg cgagaccccc caccagggtg ggcaaaccga ggtgccata
120ttcggagaca cctccaaatt ggccatgtcc acagacccca gccaaagccca ggtgccagta
180gggctggacc agtctgaagg ggcctccctt cctgctgctg ccagccctga aaggccccc
240atctgcagcc atggcatgga ccccaaccga ctgggctgcc ccgattgtgc ctgcaagacc
300caggggccca gcacggggct ggactgacca cagcagggga cctgagccgt gttccccagt
360ctccatatgc agctn

375

<210> 2107<211> 370<212> DNA<213> Homo sapien

cagggtgtc ggaacactgg agttttgctt agctacctac tcctcgccaa acatgaactg
60ccctctggca tagagtgtg taatgcgaaa ggaagagaca ttgtcagcct ggctcgagga
120tggccgcgtt ctgggggaga gagttacctt tggcctaaat ctccctctgt gtctcttgaa
180gaacttacgg tatcttgctt atactagtgg atgttccttg agctgtgtgg tatgtttcct
240aattgtgggt atttacaaga aatttcaaat tccctgcatt gttccagagc taaattcaac
300aataagtgt aattcaacaa atgctgacac gtgtacgcca aaatatgtta cttcaattc
360aaagaccgtg

370

<210> 2108<211> 381<212> DNA<213> Homo sapien

cgttgctgtc ggcaggatga tgggcaggac agggagaggc tgacctactt ccagaacctg
60cctgagtctc tgacttcctt cctggggctg atgaccacgg ccaacaacct cgatgtgatg
120attcctgcgt attccaagaa cggggcctat gccatcttct tcatagcctt cactgtgata
180ggaagcctgt ttctgatgaa cctgctgaca gccatcatct acagtcagtt ccggggctac
240ctgatgcacc cgccgaggcc cgagtaaccag actccgtttc tgcagagcgc ccagttcctc
300ttcgccact actactttga ctacctgggg aaccttatcg acctggcaaa cctggtgccc
360atttgctga tctctccacc g

381

<210> 2109<211> 377<212> DNA<213> Homo sapien

ggcacgagct gaagcgttc ctgcttacca agttgcctcc atatctaatt ttttgatatca
60agagattcac taagaacaac ttctttgttg agaagaatcc aactattgtc aatttcccta
120ttacaaatgc ggatctgaga gaatacttgt ctgaagaagt acaagcagta cacaagaata
180ccacctatga cctcattgcc aacatcgtgc atgacggcga gccctccgag ggctcctacc
240ggatccacgt gcttcatcat gggacaggca aatgggtatga attacaagac ctccaggatga
300ctgacatcct tccccagatg atcacactgt cagaggctta cattcagatt tggagaggc
360gagataatga tgaaacc

377

<210> 2110<211> 143<212> DNA<213> Homo sapien

tcaagttaca aaagctctgg aaccctgtgg cttcaaatcc tttgggaagg gtgactgttg
60tttcccctac acacagtgtg agccggaatg ggaatcgctg aggctctgat ccacttctaa
120gaacagaagg aaagtgaagg cag

143

<210> 2111<211> 354<212> DNA<213> Homo sapien

tttcttgctc tagaagacaa ccgaattgtt ttggctaaga aacactaatc tagctgaatt
60cccacacact caaaaatatt ttctacaaaa ccccaaatca attgatgtct ccattctaca
120tggctgtctc caatgtcagg aaactcacta tattccaaaa ttccatttgt tgtcgaagag
180aatcattata gagagacccc ttcatgtgac ctgcgacctg cgatatttaa ttccatttaa
240aagacagaca cacagggaaa tataatagctg agagatgctt tcattaatag agaatcctgg
300gaacccttga gtaatcacat ttgaccaac tctagtgaat agaccatttc cctt

354

<210> 2112<211> 332<212> DNA<213> Homo sapien

tacggctgcg agaaacgaca gaaggggaga ggagggtgc agatgatgac ttggttttgc
60ctggattgag tctgggatgg ggatgagaca tcatgtttaa atggtcttat agggagtagg
120aaagaggcta aaacctcaag agatagagga aattcaagta caggattaag ttgaacaaaa
180gtgataacca accccacaag gtgattttta ttctgtaacc tcagtgggga aatcttcggt
240gcagggcagt ggtcctcatt tggggtgatt ttgtctccc aaggacatt tggcaagtc

300tagaaatatt tttggttgtc acaactcggn gg

332

<210> 2113<211> 337<212> DNA<213> Homo sapien

ttttcggctg ccagattacg acagaaggga aacctttaaa gtctttgagt ttcgaaggac
60aaactttggg atttccctgg ttaactcaa agtgactgtg tgacagaagg ggtggattag
120ctatatctt tgctgtattt ttataactaa agctacaatg attaggggaag ttgcaatgtc
180aaatcaatat tctctcattt gtctaccaga aagcagtctt actagaaatg cacatacata
240agatttttga tttggttcca gttgacactt gatgtgtcaa gtaccaggca gtaaatgca
300gatccagtaa catttctttt tcttttggtg ctagctg

337

<210> 2114<211> 337<212> DNA<213> Homo sapien

tacggtgcga gaagacgaca gaagggataa acaattttt ttaaataaat gagagatagc
60taagggtttt taaaaattat tatatctaca ttatgagaag aaggccttta ttgtccttgg
120aggtatgcat ttccagaccc cttacttaag agtccttgga atgtggttct gcttgacaga
180gttctgtatt agcacttgga taccagaggc agcaccacaa tcaagctgcc aggccagaga
240atgtttcctt tccaaactca gctgccctct tgcacttaat ctaattgggt agtgaataga
300aagtacagtt gttactaaaa cactcttttg cctggag

337

<210> 2115<211> 222<212> DNA<213> Homo sapien

ctgaaagttt tgaatttgat taaagttatt catgtcttgt taatctctgc aacatttgta
60gttgcgttt tctccttttg tctttgaaga attttgcccg atttttttcc tagtagttt
120caaagaacca gctttagct tgagtgtac tgggttttc tagctcatca tcggattttc
180tgctcttccc cgtccagctg cttaaagtaa ttttaagct ca

222

<210> 2116<211> 462<212> DNA<213> Homo sapien

cgttgctgctc gaggatatgc tgttgggtga ggaaggattt aatgttgata caagtatttt
60ggtctgagcg ttggaagaa agttggcact gagtgaggaa gtcgagttta gttttgttag
120tttttgatgt gttaagtttg agatgctgat tcttcagaga agtctaagct ggagaactat
180atagagagtg gaaagataac aatagacatt gaaagccatg atacaggata aggtcatttg
240gagagaggat agactgcatt ccaacatgag attggttgac aaagagaaac caaccaaggt
300aattaagagg tgctccact gcacttgtag tcagaaggct gaggttaagat tgttagaggc
360cagcctgggc accacaggga gaccccatct ctaaaattta gccaggaacc atggctcatg
420cctgtagccc caggaatttg ggaggctgag tggggaggat cg

462

<210> 2117<211> 454<212> DNA<213> Homo sapien

cattacgtca gcaacgncnn cnngnnnnng atccccatga ctccaattcc gttgctgtcg
60aaataaatga ctggatggct gcttcttttt aagtttcaaa ttgacattcc agacaagcgg
120tgctgagcc cgtgcctgtc ttcagatctt cacagcacag ttctgggaa ggtggagcca
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300ctaattggatg agcagtcaac ctggacgcag gaaatcattt tttatttggg gcaaagaggc
360agaggaatgg agctcagagc ttttagagaa tatggggccg aaacaggaag gagtacgac
420ctgataacgg gaaccagcgg acagtgaacg cagt

454

<210> 2118<211> 442<212> DNA<213> Homo sapien

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60ggttggaact tgtgggaaca ttccaacttg ctaagcaggg tccactggga gggaagctct
120atctgggaac tcacccccag cgcacacaca tctccccag ggtcccaagg ccccgagct
180tctctccccg accaaacccc aagacctgga tccaggaga caacagtctc cacagtgaga
240gcaacattaa gggcaaagcc atggagaaat gtgggagagg cgggcctcaa atctttccat
300ttaacaaacc ccagtgatgg gtatggacag catgcagggc ttttgggnc gcttccccg
360ctcctccatc accctcagcc ttcacacttc aaagttcaag ttcaaagctg ttcaagtttc
420ctaccagcaa agagccctaa ct

442

<210> 2119<211> 436<212> DNA<213> Homo sapien

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60gggttggaaact tgtgggaaca ttccaacttg ctaagcaggg tccactggga gggaagctct
120atctgggaac tcacccccag cgcacacaca tctccccag ggtcccaagg ccccgagct
180tcctccccc accaaaacccc aagacctgga tcccaggaga caacagtctc cacagtgaga
240gcaacattaa gggcaaagcc atggagaaat gtgggagagg ccggcctcaa atctttccat
300ttaacaaacc ccagtgatgg gtatggacag catgcagggc ttttggggcg cttccccccg
360ctcctccatc accctcagcc tccacacttc aaagttcaag ttcaaagctg ttcaagtttc
420ctaccagcaa agagcc

436

<210> 2120<211> 434<212> DNA<213> Homo sapien

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60gggggtttcag tctgtgttct tggagccaaa ggggttctca aggggtgctc aagagtaatg
120gttttaagaaa agagggggcaa tgagagggag cgagggggaa ggcctagtgt gtatttgagc
180agggggcctta agctccatat cccaccccc tttacccaaa acagcccatt tttcttatgt
240atattggaat ttcaagtaag ctttcatggg gtgcagtggg gcggggagga atggatggga
300taaaaaaagt ggagattttg ctgctttaaa aaagttgaga actacttgtg taggttttaa
360ggattttaat gtatttcatt ttggcaaat caactgccac aaagcagcta tgcataagtg
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434

<210> 2121<211> 434<212> DNA<213> Homo sapien

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60cgagtgggaa gagcacctag cccggaatcc cctacagac tagtggcagt ggggacgctg
120gtgatatgag gaggcagagg cagcacccag gagaacaggg gcagtggacc aatggacagc
180tccaccagct ccacatcttt ggaagctaga tttggggaga gagaagctct accccagact
240taatacccat tgaaatttca cctcaggtgt tgtgtcctgt gtctgggttaa gtgtcccatg
300gaaggggaaa gccttcacgt cagaacccaa ccctatacct tttacttctt anatggtgct
360aaccacaggt gtcccagggt gctctgtgcc agttaagatt tttactttc aaggggcagg
420gcatactggg aaat

434

<210> 2122<211> 431<212> DNA<213> Homo sapien

tctcatgggc tgcctgggac cagcaactcg aatagcatct gatltgggag ccaaaggcag
60ggctcctgag acagcagggg tgggtgtctc tctatctcac ctaagctact ggctacagcc
120actgccaacg ggcctgggct gaaaggggaa gacgagagcg ctggccttga caggaggggg
180ttcagcagct ccagcccaga gcactcgggc agcatcgact ccaccaaggc cccccagacc
240cccaggagtg gagcggccca tctctgcgat tctcaggaaa cgaactgttc caccgtggc
300cactccaaaa cgccgccaag tggagcagat tctaagacgg tgaagctgaa gtcccctgtc
360ctgagcaaca ccaccactga gcctgcaagc accatgtctc ctccaccagc caaaaaactg
420gccctttctg g

431

<210> 2123<211> 423<212> DNA<213> Homo sapien

ggcacgagat tttcttaact tgaaattttc tactagccct ggtgaacttc tgtgtttaa
60aaaaaaaaa aaaaagggga aaatttctact ttaaaaactt ttgttaacag caggggaccc
120ttgttatttt caggtcccc acccccaaaa aaaggggggg gtttgtctcc tttaaagggg
180tggaagccc taattttttt taaaaaaca gtgccacac tttcccaaac caaaaagggg
240ggaagggcg gcccttttga aaaaatgcgg aaccccttta taattttttc aaggggaacc
300aaaaaaaaat aaatgtatt aaaaagtga ccccgcccc tttgaaacct aaaaaaagt
360tttaatgggt actttttacc aaagcggggg gcctaaaacc taataacca ccgctttgga
420agn

423

<210> 2124<211> 170<212> DNA<213> Homo sapien

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60cgacaggctg tggccggaca gctgctgcc agcatgga gcctgcacgc gcacagttg
120gccaaagaag ccccatatc cccggtgaaa aagatggagt cttgctctgt
170

<210> 2125<211> 424<212> DNA<213> Homo sapien

cgatgctgtc gccctcagct ccctgccttc aaacctacct tacagacctg cctggcctgc
60acctgagcca cctctttct ccttcctatt cccactaagg aggtgtccct gcttccttca

120tagtgggtcc ttccctgca ccgggaaca ggccctagag atgactccat ggggtgaagg
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300ctcacaagca tggcccccca ctgctggctt tccttcccca ccttccacce tctccttggc
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424

<210> 2126<211> 424<212> DNA<213> Homo sapien

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120tgagaaactt acaagtattt tcgttgagtt ctgcttccac tattatttac ttacaatgg
180atatgaagtt cagatttcat cttatttact gaagggtggag aaaggatgtg gaagttaggg
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300cactgagcac ttacatagat taacagttac aagtttccat aaatcagtta gaatatgact
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420cagg

424

<210> 2127<211> 423<212> DNA<213> Homo sapien

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60atgtacaaaa aggacctga actcttaaat tggaccagca aactgctgca gcgcaactct
120catgcagatt tacatttgac tgttgagca atgaaagtaa acgtgtatct cttgttcatt
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300ttttccttgc aaattataat gtttttgata gatttttata aactgtggga aaccaaaccac
360aaagctgata acctttctta aaaacgaccc agtcacagta aagaagacac aagacggccg
420ggc

423

<210> 2128<211> 426<212> DNA<213> Homo sapien

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120cttttggga cagggctagt ggtagccatc ttagacactg acatttggct ttgtcgtcaa
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240cattatcagg agttgccata tcatctctcc agtacctaac atttctcatc cacttcaaaa
300gctgttctga ctgccagctg gctgatctaa gctcctgagg aatgtctcct ctcaaaggaa
360tttttccctc caaaggcccc ctgaagtctt agttggcatt ggcctggcac atgctttatg
420ttaggc

426

<210> 2129<211> 424<212> DNA<213> Homo sapien

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120ctcctccatc cccacttca ccccatccca taccagttcc atccagggtc tgcttaactg
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420gccn

424

<210> 2130<211> 428<212> DNA<213> Homo sapien

ggaccggaca aaccganttt nttgaggagc ccategcact caattccgtt gctgtcggtc
60ttacagagcc atgatagaac tgtggttagt gagttaaaat tcttgagaa gctactgttt
120ttctcctttg aaacttaggt ttctaaagtt gcacctaaagg aatctgtcac attttctgtt
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360ggggctggcc acatttaagg cttaaaaatt tttaaatttt gtggctgatg atagcaaaca
420ccccctgtg

428

<210> 2131<211> 424<212> DNA<213> Homo sapien

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120gaatgcctgc gagaggaagg aacaaagggg ggactcacag attgacacgc tgggctggcg
180gctggccctc gaatctatag ggtctgggct tttaaacttc tttttcaaa gctccgcctc
240aaaataatgg ctagaaaaag aagtttttga ggtggccgat ggaaggctga ggaattttcg
300agaaagggcc caggaccatc tggtagctag gacggagggg accaggtttt cttttttaa
360catccaccac caattgctct caacctgtac cgggtaagca tcagaccctg cgagtgggtg
420tttt

424

<210> 2132<211> 427<212> DNA<213> Homo sapien

ggcacgagcc gtgcagcgct cccgcgagac gctcacctgc gccccagggtg cctggctgct
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120acgcttggga ccgtgggagc ggccaacaga gctatgtctg gagacatatg ataaaccacc
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240gccagagagc attaccttca tctctggctc tgctgagccg gcccttgagt cccccacctg
300ctgcctgtct tggcgacctt gggtgtggga gtggtgccgg gctgccttct gcttccgccc
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420tactgag

427

<210> 2133<211> 427<212> DNA<213> Homo sapien

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120attttgtatg tggcaaatga tgaagaagcc agttatctca gatttcgaaa tagtatatgg
180aaaaatgaag aagagaaagt ggaaattttt catcctttgc gactagttcg ggatccactg
240tcacctgtct taagacagaa agaaactgtg aaaaatgacc tgctgtaaa tgaagctgca
300attagaaaaa tagctgcctt tgaaaatgag ctgacttttc ttcgctctca gattgcagca
360attgtggaaa tgcaggaact gaaaaatagt acaaattcta gttcctttgg cttgagtgc
420gagcgt

427

<210> 2134<211> 427<212> DNA<213> Homo sapien

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60cagacggacg tgagagaaaa acgcaagagt ctcttcatta accatcatcc tccaggacaa
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180ccaaacctca agtatacaat taaatgtgtc gctcttgcaa tatattatca catcaaaaac
240agggaccagc atggaaggat gctcttagat atttttgatg aaaatcttca cctcttttcg
300aaatccgaag tgccaccaga ttatgacaaa cacaaccagc agcagaagca gattaccgg
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420gtgtacc

427

<210> 2135<211> 429<212> DNA<213> Homo sapien

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120ggccagcaca gcaacaagtt catgctgggtc ctggccagca accaaccaga gcagttcgac
180tgggccatca atgaccgcat caatgagatg gtccacttcg acctgccagg gcaggaggaa
240cgggagcgcc tggtgagaat gtattttgac aagtatgttc ttaagccggc cacagaagga
300aagcagcgcc tgaagctggc ccagtttgac tacgggagga agtgctcgga ggtcgctctg
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429

<210> 2136<211> 417<212> DNA<213> Homo sapien

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120ggaaaaatgga aaagccattg tataaatttt tttttgaggc ggagtcttgc tctattggcc
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240gattctgctg cctcagcctc ccgagtagct gggattgcag gtacccatca gcccattgcc
300agctaatttt gtatttttag tagagatggg gtttcacat gttggccagg ctgggcttga
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417

<210> 2137<211> 417<212> DNA<213> Homo sapien

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120aaaaaagggc atcgggattt ttttatacaa ccttaaacca ctttttttag ctttaggcgc
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240agagctgggc aaagtctact ttctctttgc tgacagtctc accttttctc actgggaagc
300tgacaggag cttttgggct gggtcagccc agaggccctt ggcttctgc cttcttgaa
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417

<210> 2138<211> 419<212> DNA<213> Homo sapien

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120ttttgtttt tttccacccc ccgtgggtt tttttttg gggggggaaa aaaaacttct
180tttaataaga taacaaactt tttttttt ttaaaaagat cccgcccag ggtaggggg
240gggggtttt aaaaaaaaa aaaaaaaccc cccccctta aaaaacttt tcttccccg
300caaaaaaaaa aaaaaaaaa aacctcctt ttttgaaaa cggggggggg ggggggggaa
360tttttttaaa aaaaaaaaa ttgtggggc cccccctt tttttttaa aggggggt
419

<210> 2139<211> 417<212> DNA<213> Homo sapien

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120cctgtagtca ccagatggag tcccaaacag ccaagcagat gtaaggcctg tgctgtggt
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240gatgtctaat tattgaacac gaccagtcatt ttactgagc tgcggtgagg aaactgac
300catagaagat caagccaaat gagggattgg caatttctg attcttttg attaggattc
360cagatggggg cctcatttct acagcccca acatttctat angccgtatc actggcc
417

<210> 2140<211> 418<212> DNA<213> Homo sapien

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120tcccagcccc atcatcagtt caaggacaca acctgactga agatgcctga catcctgaga
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240tagaggagggt gtcaatgtca gatccactgg caagccacca aagaccgtca ctcccaggat
300cctcacagga gcacatggcg cagtgcgaag tgagacgcca gacctatgtt ccaaacagag
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418

<210> 2141<211> 421<212> DNA<213> Homo sapien

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120gggggggggg gcctttttta atttaatgaa aggtttggaa agggaaaaac ctttggaaaa
180gcccaccccg gccctttcc caaaagaatt tgggggtttc aagggaacaa cttctggaaa
240aattgaccag gaaaaaccg ataaccccaa ccagttttt taaaccgggt tttggaacct
300aaaatttga aaagggaacc ccaggcccat aaaccaaac cggggcctt aaaaaggaca
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420t
421

<210> 2142<211> 422<212> DNA<213> Homo sapien

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180cagaaaattt tcagtctgaa gaacgatcag actcagatgt gaataatgac aggagtacaa
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300acaatgctca gatccctttg gctaattggac ttgactctca cagtatcaca agtagtagaa
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420cg

422

<210> 2143<211> 417<212> DNA<213> Homo sapien

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120gacccaagag tgcaggtcat gttgtatatg gctctgtctg ttcccatagc ctggagggtat
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417

<210> 2144<211> 417<212> DNA<213> Homo sapien

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120taatatagacct aaagccacag tcttcaagag cccacggaca ccacctcaac ggttttactc
180aagtgaacat gaatacagtg gattaaatat agttcgacct tcaactggga aaattgtgaa
240tgaacttttc aaagaggcaa gggaacatgg gctgtccct ctgaatgaag ccacaagagc
300ttcaggtgat gataaatcta agtcatttac aggtggagga tacagattgg gtagttcttt
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417

<210> 2145<211> 419<212> DNA<213> Homo sapien

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120gaaatccaag gctgccaaac caggacgtc caaaaagtc aaaccaagg acagcgataa
180agaaggaaact tcaaatcca cctctgaaga tgggccaggg gatggattca ccattctgtc
240ttctaagagc cttgttctgg gacagaagct gtccttaacc cagagtgaac tcagccatat
300tggtcccatg agagtygagg gcattgtcca cccaaccaca gccgaaattg acctcaaaga
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419

<210> 2146<211> 418<212> DNA<213> Homo sapien

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120aatttagggc tcaccacact cattggatct cctttcctcc gggcatatat gcattgtggtt
180ttcatggata taagactcta tcacaagggtg aaactgatgg taaatccatt tgcttatgaa
240gaatatagga aagataaaat acgacagaaa atagaagaaa cacgtgcaca gagagtccag
300ctaaagaaaa tgccaaaagt taacaaagag ctggcactta aattaatcga tggagaagag
360gagaagcaga aatctacatg gcaaaagaga gttacaacc ttcctaact tctcaccg

418

<210> 2147<211> 422<212> DNA<213> Homo sapien

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120ggaggaacaa ggggcgtggg tgctctccag accctacgaa aattagttga acttactcag
180aagccagttc atcagctctt tgattacatt tgtgggtgta gcacaggtgc catattagct
240ttcatgttgg ggttgtttca tatgcccttg gatgaatgtg aggaacttta tcgaaaatta
300ggatcagatg tattttcaca aaatgtcatt gttggaacag taaaaatgag ttggagccat
360gcattntatg acagtcaaac atggggaaac attcttaagg ataggatggg atctgcactg
420at

422

<210> 2148<211> 413<212> DNA<213> Homo sapien

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120acaggcatgt gccaccacac ccgctaatt tttgtatttt tagtagagac ggggtttcac
180catgttggcc aggctgtct caaattcttg atctcaagt atctgtccgc ccggcctcc
240caaagggctg ggttgggatt acaggcgtga gccaccgct gcgggtcagg acccagtttt

300ggctgctggc tcccagcacg ggactcgggg gatatacagt ggctgcacca aattgtaggt
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413

<210> 2149<211> 415<212> DNA<213> Homo sapien

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180catggatacc cggtaaaatt ttaggaaaaa aacaaaggaa gaccccgccc ccaaaacctt
240tttggccccc ctcttctttt aaaacccagt ttttccagtt gtggaaaaaa gagctccctt
300tgagtcggtg gcaaacggtt tattttttta aagccccac ctttttttta aaaaattctt
360ttggaaacgg ccaggagtaa aaccaggggg ggaaataaga aaagggtcc ctaa
415

<210> 2150<211> 411<212> DNA<213> Homo sapien

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120aatcctctga caagttgact cttcgacccc cccccacc caagacattt taatagtaaa
180tagagagaga gagaagagtt aatgaacatg aggtagtgtt ccaactggcag gatgactttt
240caatagctca aatcaatttc agtgccttta tcacttgaat tattaactta attgactct
300taatgtgtat atgttcttag attagaataa tgcaacttcg agtatgcttt aatatttcaa
360tattcaagtt acaaatgtat aaggcagtta gaaataatac agtcacatgt c
411

<210> 2151<211> 416<212> DNA<213> Homo sapien

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180ggtagcgtaa aactgaaaat tccagtttgg gtcaaatatt agtgaaagtt ctacttctt
240ttcagagagt ttgttcccc ctttcttctt tagatgtttt caaacacaca gccccatctt
300actcaaacca agtgaagcaa gaggggacaa ttctagaatt ggctgtgcca ttaggtttt
360ttttagaatt tgaactgatt tcttctattt tgatgaggtg gcaactgtcc ccattg
416

<210> 2152<211> 411<212> DNA<213> Homo sapien

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300aacagctatg agttaagtac ctgccctgca aaaattttta gaagaagttc taggattatg
360aaattaagaa ttattttcct taactggaac agttctaana tttatctgat n
411

<210> 2153<211> 411<212> DNA<213> Homo sapien

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120aacccattgc agcaaatgtg ggcaacaaaa aaaatcagct ttcaactggg gagagccacc
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240tctgaacaat gcaaggaaag aggttctgtg ctgaacatag acagtaaagt ctaaacattt
300tatagcctta gataatggtt tctttgggaa agaccttaaa ataggagtta ctggggaatg
360tttattaata atcacgtagt gctgagaagg aggatgtctt aaaaaccaga c
411

<210> 2154<211> 415<212> DNA<213> Homo sapien

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240tgttttctgg atgagaagac taacctaaact aagtaggaac cttgaagaat catgttcttc
300ctaggaatta caaatcccc gaatccatgt ctaacataat ttctactggc ctctttgctt
360ctcatgcttt agtaccaggg cttctgaatt tgaaagtctt catgcaaatt gcccc

415

<210> 2155<211> 413<212> DNA<213> Homo sapien

ctgctgaata gccccctctc acgacgtccc gcagcgtttt acagggtcatg catgaaggag
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180ttaaaaaatg tagagcatat ctaatgatag agaaaatggt tattccacag taataagaat
240ttgcatatac aggggtgatta taatcctgca aaataaaaaa tttattggga taataaaga
300ctgacaggaa aattttttaa gtgttaacat tgggttatgt tgggttggtg aggcgtgggtg
360atttttagaa atttacaaca gagagaaggt gtggganaaa gtatacgta gtt

413

<210> 2156<211> 414<212> DNA<213> Homo sapien

ggcacgagca gaagaacatc tattatatcc tatttataaa tcttcctctg ggaaaaggag
60tggtttcttg ctgaatacta tcttaggctc aaggagaaac aaaataaaaa ttagcttcca
120ggcagcctgt ttttaaagaa atgggactaa tgggagaagc tggttgctac tctaagagca
180tccaagccct ggcccgtctg tgcactcttg gctcctgggg agatatactt gccttctaag
240aaggcaggcc aggtcttggg cacagacctg catttggtga ccttgcactc caactatagt
300gccttgcaag tgctcaacag tacatattgg aatgaagtcc ctatgagagc catttctggc
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414

<210> 2157<211> 415<212> DNA<213> Homo sapien

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240ttatttgatg ctactcttca gaagcgtgtg acttccgatg agaggagcaa tttccaggaa
300gcatgtaata atattttaga ttcctatgag atgtttaatt tgcagtcaaa agctgtgaaa
360agaaaaacta ctgcagaaaa cgtaaacaca cagagttcta gggattcaga cgcta

415

<210> 2158<211> 413<212> DNA<213> Homo sapien

tctatgttga ctgtattgtg ttagaagcac attatcactt cgtcacaatg cccgaccccc
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120tgatgggact cctctcacia atgtattctt ccttctctcc tttcccgacc atcctttgct
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240gaactgtgtt tgggttggtt tctttgattg aattattctc agaagggtg tgttgccagg
300ccctgtgggt tgatcatgtg accgccttct tgacaaaatg tctgccgcca tcttatttg
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413

<210> 2159<211> 416<212> DNA<213> Homo sapien

ctgcagccaa gttcttaggg ttccgtaagc gctgcatccc caggagcctc tgcctcagtg
60agtgtcctct ggagccccc aacctcaccg gcctctgtgc cactctgaag gactgccggg
120gacccctgga actgcaattg tctgtgagt tcttgagtga ccagagcctg gagactctac
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240ccccgaaaag ccccttctct ctggccaaca ccttaagcct gtgtccacgg gttaaaaagg
300tgatctcag gtccctgcac catgcaactt tgcacttcag atccaacgag gaggaggaag
360gcgtgtgctg tgggttcaca ggctgcagcc tcagccagga gcacgtagag tctactc

416

<210> 2160<211> 412<212> DNA<213> Homo sapien

ggcacgaggt ggcctatgcc tctacatcc caggatccat catctgggcc aagcaatacg
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120ttacttccca tcttgattcc ctgcccctc agtaccatgt gacgtttttt ggagaaacag
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240tatcagtcac ggaacggggt aacttggttg gtttctggag ccgattcaac ggatctaaca
300gtaatgggga aagaaaagac ttacagctct ctggtttgaa cagcccagga tctgcttag
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412

<210> 2161<211> 412<212> DNA<213> Homo sapien

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240cctgcccaca attctgttct taattgcaag aatattgaaa gacacagcaa taaagtctgc
300agataatcag gttcctccac cagtcagtgc agctcttcaa gggattaaaa gtattgtgac
360actttcaatg gccaaaactg aggctggcgt tcaaaaacag tggacagctc tg

412

<210> 2162<211> 411<212> DNA<213> Homo sapien

ggcacgagaa cctgtcccag acctacatgg ccatgtacct cacctactcg ctccacctgc
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120tctcatgaa gcccatcaac aagtgcattg ggaggaacat gacctacttc tcaggcctcc
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240acgcagcggc tgtgctgctg ggtgctggct gtgccaccat cctcgtcacc tcgctggcca
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360gcttctttgga taagggtggc aatgggctgg cagtcatggc catccagagc c

411

<210> 2163<211> 415<212> DNA<213> Homo sapien

ggcaacagcc tgggtttgag ccacaaagcc tttagtttga accccaaagc cccagatttg
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180ggtatgaacc ccaaagccct ggctatgaac ctcgagagccc cgggtatgaa ccccgagcc
240ctggctatga atctgagagc tctagatatg aatcccagaa cactgagctc aaaacccaaa
300gcccagaatt tgaagctcaa agttccaaat tccaggaagg tgcggagatg cttctgaacc
360ccgaggaaaa gagtcccttg aatatctccg taggagttca cccctggac tcctt

415

<210> 2164<211> 412<212> DNA<213> Homo sapien

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300tatctgggaa tccaatttga tgtgaagttt tgggtcccaac acatttcctt cattcttgtt
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412

<210> 2165<211> 407<212> DNA<213> Homo sapien

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180aatacccaaa aaacctaaga aaattttgta aaggaaaata gatttattat taagcacatg
240aaaagatgcc caacatcagt agccatcagg gagatgccaa tcaaaaccac aatgagatac
300cacctcacac ctggggctgt cagaaaaaag gcagtaacaa gtattcgcaa ggatgtggag
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407

<210> 2166<211> 405<212> DNA<213> Homo sapien

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120aactgaaatt tgtcactttt ctgttacgca gagaatcaga ccttttgata atatttggga
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240tgcggggggc ggggggggaca gagtctcact gtgtcactca gactggagta cagtgtgagc
300atctcggtc actgcaacct ccgctcctg ggttcaagcg attctcctgc ttcagcctcc
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405

<210> 2167<211> 408<212> DNA<213> Homo sapien

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120agagagaggg ggtgtttgct cttgattgcc cccgccctc cctctctttg ggattttttt
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240tctctttttt tactctttac cttttttttt ttttctgctg gcacactttt tttttatccc
300ttttttttct ctccctcctc ttttggtgct ctctcttttt ttatttatat atttggtgctg
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408

<210> 2168<211> 408<212> DNA<213> Homo sapien

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120gaagggtgcag aaaagggcat caaaaagagg ctggattttt taaaaggcag ctttccaact
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240gcagaaacaa aacctgtaaa aatgactaat cagctgcaca tattgatgct ctctgcaagt
300tacctttaag tgtttttttt cttatacttg aagtgctttt tacgatatta ttttggtggc
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408

<210> 2169<211> 405<212> DNA<213> Homo sapien

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120aaagtgtctca aacacaccag agggggcagg caccagccag ggtatgatgg ctactaccct
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240gaaggaagcc aagaggatca ctgctgctcc ttttttctag aggaaatgtt tgtctacgtg
300graagatatg acctagccct tttaggttaag cgaactggta tgttagtaac gtgtacaaag
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405

<210> 2170<211> 408<212> DNA<213> Homo sapien

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120tgtaagaac gttctagagc cacaacatga ttgtaggcca agggcttgtt tttgtgacct
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300gtggtggagt gtatagtttt gttgaacctt gctaaattct gaatatcttt ccactaaaag
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408

<210> 2171<211> 406<212> DNA<213> Homo sapien

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120aaacttgggt attcatggaa tttctagtaa atgaaatacc tatactttga tactgaagac
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240ccagcactga atgttttact agcactgggt gctcaccatg caactgaaga aaatgtggaa
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406

<210> 2172<211> 405<212> DNA<213> Homo sapien

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300ttcccggcag gaggtggaca cccagccaga ggcttggtct aaggtgacct caccttcacc
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405

<210> 2173<211> 409<212> DNA<213> Homo sapien

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120gtgttggggc aacccccgcg tgaaggcggg ggaaaaaaag gctttttttg gaaaattggg
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240ggcattcttt tttggttaca ggttcggggg gggggggggg aagggttcaa nattgcctac
300gggagaaaaa aagaaaaacc tcagcttgca aatttttgtt cagagatggg atcgttcttt
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409

<210> 2174<211> 410<212> DNA<213> Homo sapien

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120catcatgcat cgaggcctga ggggtgcagg cgccctctct tggcctggag gaattgctcc
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240ccacagtccct tgcctgtctca tggacctcct tcagagcacc ttcttacaga ctggactgcc
300cagctccgtg ggggtggcatc tggtttctgg tgctattctg ccaagttatc gagctcctcc
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410

<210> 2175<211> 408<212> DNA<213> Homo sapien

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120agaagaggag tgggcaccac tctcatccag aggcctctcc tgagaggcaa gtgaggctgt
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300acagctgtct tttccccacc tcagaatagc attcctttcg aacaccacgg caagtagctg
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408

<210> 2176<211> 406<212> DNA<213> Homo sapien

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120tgtatgagtc atagtattca ataggtgggt gctgatgttg ctattatagc attaaacttt
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300aagtgtaggg tgggacacag gtgcatctgg tgtttcgtaa gtatgagctt agatatggag
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406

<210> 2177<211> 406<212> DNA<213> Homo sapien

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120tcctgaaaaa agtgggcagg gacagtggct acggtgacat ctggtgtcct gaacctggag
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406

<210> 2178<211> 407<212> DNA<213> Homo sapien

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407

<210> 2179<211> 405<212> DNA<213> Homo sapien

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405
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408
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409
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407
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408

<210> 2186<211> 406<212> DNA<213> Homo sapien

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406

<210> 2187<211> 410<212> DNA<213> Homo sapien

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410

<210> 2188<211> 405<212> DNA<213> Homo sapien

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60gacattataa aaaataagaa gctaattctg gactttgtac tgaagcagga catgccatta
120ctaggggctg agaagagaaa gaggacaacg gtaccgcaat atggtgatgt agatgatgcg
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405

<210> 2189<211> 406<212> DNA<213> Homo sapien

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406

<210> 2190<211> 399<212> DNA<213> Homo sapien

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399

<210> 2191<211> 404<212> DNA<213> Homo sapien

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404

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403

<210> 2193<211> 404<212> DNA<213> Homo sapien

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404

<210> 2194<211> 401<212> DNA<213> Homo sapien

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401

<210> 2195<211> 398<212> DNA<213> Homo sapien

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398

<210> 2196<211> 404<212> DNA<213> Homo sapien

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180cccatctcac aaagatgagt ggtgaaaatc tgatcacttg ctgcagccct ttagtttttt
240attaagccga tgcctgagta gctttaatag ctattagcta tgttagtaga ctgagatctt
300ctgttagaag tcttttagttc tgttttcctt gggggactaa gaaattatat tgcaggcctg
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404

<210> 2197<211> 399<212> DNA<213> Homo sapien

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120acccttgctt ttctcttgct ccaggctgcc cttttcttgg gctgggggt gttgttctcc
180ttggtcagca ttcccttggc catctatgac tgggcctgct catcgagtag tgacgaaggc
240cactgaaacc cgccgagaaa aagaaacatc cctgttgtct gctcagtaa gtccccacac
300atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga
360tacttaaaat ggaataactt tttggttgca aaacagaga

399

<210> 2198<211> 399<212> DNA<213> Homo sapien

cgttgctgtc ggaagaattc gcggtcgcag gagaaantct ttttattttg atctgttttt
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120aggggaccca ccccccccc aaaaatcccc ccgcgaaaa aaaaaccccc cccctacgc

180ccccccgtaa aaggacgcat acctcacgaa ccggggggggg gggggggccc tttctcttt
240tttaaaaaagg ggggaaaaaa accccccccc cccggggaaa gaaccccccc cccaaaacct
300tttgaacccg gggggggccc caccggatta attcctcccc ggggggcttg ccttttcccc
360aaaagggggg ggaaaaagag ggcgcccccc cgaggggat
399

<210> 2199<211> 402<212> DNA<213> Homo sapien

cgttgctgtc ggtgcatat cattaatgaa atcattaacc ttgtctctg gtccttcctt
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120tcatcatcat ctttccactc aaaatcctat tattctacat ttcactttgc aggggtccta
180gggacaggat tgcagggaca ggggacatgg gaggaagaca gaaaaattca aaaccagcag
240atgccactac ctggcaatga attgaaaatt aggggaaagc atctttggcg tgacctttta
300ttaagacaac agaaatttag aacattttac atgcttcttt gttaaatggt gaagcaaggg
360aatgaaagta tttattttta gagctcatag ttaactccat cn
402

<210> 2200<211> 398<212> DNA<213> Homo sapien

ggcacgagtg gaaccagcga ctcagttatt tcaaaacacc atgaaaataa gattagaaga
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120agccttgggt tcagtggat atgtcaaaga aagtgatgga ctagaaatga cagatgtgga
180atgaagcaat ttgtacgtat taccaaagaa accaaaaact gcctttgact aaggggggtg
240ttgaaagaga acttaacctt attaggaaac cctgacaaaa tgatggaaga ctattgcctt
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360cagttgcttt agggtgaaaa agccttccaa gattcaan
398

<210> 2201<211> 401<212> DNA<213> Homo sapien

ggcacgagga gaagcagagg gagtggcatg caggggccct gccatgggtg cgctctcac
60cggaaacaaag cagcatgata aggactgcag cgggggagct ctggggagca gcttgtgtag
120acaagcgcgt gctcgctgag ccctgcaagg cagaaatgac agtgcaagga ggaaatgcag
180ggaaactccc gaggtccaga gccccacctc ctaacaccat ggattcaaag tgctcaggga
240atttgccctc ccttgcccca ttcctggcca gtttcacaat ctagctcgac agagcatgag
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360tggaagaa ccagaaggag gctgggcaga accagaacaa n
401

<210> 2202<211> 404<212> DNA<213> Homo sapien

ggcncgnnnc actatttaca gagaaaccta caacagatgc ttgatgttgt agaaactggg
60acatatagat accaagcaaa attataagaa acctataagg tgttcaatac gcttgtgttt
120ccaaaattca ctgtacatga tcagtttggg gttcttgtac cacagttttt aactgaagga
180accagttgta acagtctcaa ttttaactaa aacttgaaga actaaaacaa caatgcaaac
240ctttcagcat tgtttggcca aacttggtta aactgtaatg caagaaccaa atgcactgtg
300atgtggcacc aactaattag caagcatgaa tttttcacc aagagtga aaaggaaaat
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404

<210> 2203<211> 404<212> DNA<213> Homo sapien

cgctgctgtc ggtaatacca ggtgcctgtc ctactgtgt gagtggttct ctagccagac
60atgaggaggg atcctattgt ttcccatagc taggcagcct aagagagtag gggaaagagc
120tggtccaga tgaaaagggc accatctcca gctcttgga gcagagaggg tggctcttgg
180gattcccagt ggcagcagca accaacctgg cccttagtag tttctaagtt acaccatggt
240aatggataaa ggaattactc agcttgaagg gatctgggtc ctttactctg gcctgatgtg
300tggggagaaa ggggcaaaaa agtttacgat ttggagttaa catcgaaatt tctgcttctg
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404

<210> 2204<211> 401<212> DNA<213> Homo sapien

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60gtttctgtc accctgaaga ctgctggatc agttagttag acaaattcca agaagctggc
120ttggatgtca aattggctct gggctcatag agaggaatgg atttgttggc ctgaaaagga
180gcgataactc tagtttttaa acatttggt tagttcagat aattactgcc cttattcatt
240gtgtccacct gagtcaaaaa gcattgctgc tgttgcctgg tctaaggag gaggaccag

300gcatgtaacg gactgcatgc tggccagttg tgggtggtcag agcaagctgg aggccagcga
360ggcccttcag gggctcttttc aagggtctgc cttggggagc g

401

<210> 2205<211> 402<212> DNA<213> Homo sapien

cactacggct tacggctgac aaaagacggc agaagggact gatatattag cttccttggg
60gtcccaccc tcttctggtt tttccacaag tgtctgacat cacactatat tgcagtcctg
120atcactcagg ttttaaattg ctgtgtaate tgcgactatg ctctcccttg ataccatttt
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240ttacatttag agtttgctgc tccttctctg gaattattgt tgcagcgctt cccggataga
300tactctgagt atagatgtgc acctttccat ctctttgtca cctaatacag ctcagtttcc
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402

<210> 2206<211> 402<212> DNA<213> Homo sapien

ggcacgagga aaggcaggag gtggcggtg ggcacccgac ccccgcgggc cctgcccgca
60ctcctggggc tcagccaggg cgaatggcg tactcatccc aagaagttgt ctaggtccc
120agacagcttt cagggtccct tgcggaggag gtggtgggac cacagacaca tggagagaat
180ctggaaactgt tctggtttct gaacttttcc cgcacaggac ccagaccct ctgagtcac
240ccccgaggct taacgagact cggggagagt tagtgccgag gccagacact agtgcttttc
300aagaattttg gttaccaggg ctttcccgag ccgagtggg tgcggctctg ttcccagca
360cccccttttc gccggccagg cgcactccgc gttactgtcc cc

402

<210> 2207<211> 400<212> DNA<213> Homo sapien

tctggggcca cctgcaagcc ccattccatt cctacagatc tctcagccac ctgtaagtcc
60tttgtgaaga tgtgggtgac acagggggac aggaaaaccc atttctcaac ccagatccat
120gtctccactg ctctactctt ggggtgggac tcaggaagac aggcacagtc ctctctgttc
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240gagaagggca gacccattct caaagaccac catgtccaag gtctgacagc tccccactgg
300ctgccccac aggggcttta ggctggctct ggcatgggg aagcgctcct cttatcgctg
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400

<210> 2208<211> 400<212> DNA<213> Homo sapien

ggcacgagac aggaagccct gaaggttcaa aagaaatata aaagcaaagg ctattttctt
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120ttttcttttt taaaagcag cggctctgcg ggggcgggtt ggggggggag cgcgcaggg
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240tgagattctc catcttaatc tacttggagg caagagcaga tgggtgtttt cattatggat
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360gaacggcca aaaggaggca agaagaatgg gagaaagttt

400

<210> 2209<211> 398<212> DNA<213> Homo sapien

cggtgctgtc gcatatgtgt ccatcaatag agaacttgct aaatgattta tactacctt
60acatattgaa atacgcatag ccgtggaaga taatttagta gatctatatg tccattatg
120gaacaatccc catggtgggg ggaaaagtaa ggtgcagaac tgtatcatag atgttctctc
180tctctctctt tttttttgga aagcacatgt atgcttttat atacacagaa aaattctaga
240atggcaaaaca agatatcttt gcaatagttt ttttctggga ggggactcat ttaaaaaaat
300tctcccatat tgcttgtttt gttttgttaa agacatccat gtattcctac ttgggttaag
360ccatgataac taaatatgat taaagttcag aacaataa

398

<210> 2210<211> 400<212> DNA<213> Homo sapien

nnnacgagag actatgtgcc ttataccctt cgcattgtgt ccagtcggcc gagagaacat
60gggtgtggga aaagaaagag cagctacaca ttgaaatagt tggaaacagg gtttggtcag
120ggagggaagg atgtctagcc ctgccagcct gtacttatta acagtagagg cttgtacca
180gagctggagt cagacggcag cactatggag gactattcac aggaggactg gtgaaaccac
240agt caggatc tccatggcta tccaacagat caagaattgg atgaaatacc tggcaaaaag
300agaacattag caataaaaca agagtcttct gatgaagcac agagaagaga catcatgcag
360aagattgtac agattttgga atcggtacag atgaaatggg

400

<210> 2211<211> 398<212> DNA<213> Homo sapien

ggcacgagggg actatcttga tgatgtcgtc tcattatcag tgcttaggta cttttgatta
60cctgtgtttc agtattaggg acacttttagt acttcagatc ctgcaaatac ttttgcagat
120gaagtatgta tgcattgtac taagttaaac tttagaaacag aacctcattc agttattata
180atggattttt gcaaaactact gcaaatagca aatcaatgcc aatgttaaac aaagaggaaa
240acgtctgtgtg gactttgttc tcttgcaccg gtatttcagg aacatctgct tgccatcccc
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360caggaaaaaac attggattca gcttagactg aagaaaaa

398

<210> 2212<211> 399<212> DNA<213> Homo sapien

cgctgctgtc gcgaaaccgc ttgagcatcc tcctgtgaaa aggaatgaag aggctcaagt
60gcatgacaag cttaactctg gaatgggttc caacatggaa ggcacagcag ggggagagag
120accttctgtg gtaaacgggg actctggaaa gtcagggtgt gtgggtgac cccgtgagcc
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240cgtgcgagag gatgcctcac ctctgcccc tgtctgttgc tgcaacaag atgctctcat
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399

<210> 2213<211> 398<212> DNA<213> Homo sapien

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60ctgaggccaa tccttttagca gatcatgtct ctgctactcg aatcttgtgt ggagcccttg
120tcttttctac tattgtaca atagttggta aattgatgtt cagtagtgtt aactctaatt
180tacaaggagc aatcttgggt ggaattgcgt ttgttgccat aaaaggagca tttaaagttt
240acttcaaca gcagcaatat ttacgcacag cacaccgcaa aattctgaat tatccagaac
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398

<210> 2214<211> 404<212> DNA<213> Homo sapien

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60ggtgacctcc ttggctatgg aggaatccca agaagcaaaa tcattgcacc agccccctgg
120gatttgcaca gacagaacat ctgacccaaa tgtgctacac agtggggagg aagggaacac
180acagtacctc aagggccagc tccccctcct ctctcagtc cagatcgagg gccaccccat
240gtccctccct ttgcaacctc ctctcggtcc atgttcccc tcggaccaag gtccaagtcc
300ctggggcctg ctggagtccc ttgtgtgtcc caaggatgaa gccaagagcc cagccccga
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404

<210> 2215<211> 404<212> DNA<213> Homo sapien

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60cagccgcgcc tacaccactg cctgcgtcct caccaccgcc gccgtggtga gcagctgcag
120tgccaccttc tcattatctg ggctggatat gactgggtct tcaggaaact ggggtttggg
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240tggggttcga gttggcgcca agaattgctta tccagtgcag cgagaagggg gtgctgcttc
300atgggggggtc agcagttgga attgatcaca ccttttcagg tgtacttcaa tctgaatta
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404

<210> 2216<211> 401<212> DNA<213> Homo sapien

cgttgctgtc gggaggccaa gagcaccatt tggctgcacc ccgtcaccgg cgaggcgggtg
60gtcaccggac accggcgcca gagcacagat ttgcctactg gctgggaaga agcatatact
120tttgaaggtg caagatacta tataaaccat aatgaaagga aagtgcctg caaacatcca
180gtcacaggac aaccatcaca ggacaattgt attttttag tagaataaca gactgttgca
240accatgacat ctgaagaaaa gaaggaacgg ccaataagta tgataaatga agcttctaac
300tataacgtga cttcagatta tgcagtgcac ccaatgagcc ctgtaggcag aacttcacga
360gtttcaaaaa aagttcataa ttttggaag aggtcaaatt c

401

<210> 2217<211> 401<212> DNA<213> Homo sapien

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60ttccaaacct tgtggaacta tacctgcact caaataacat agttgtggtt ccggaagcca
120ttgggtctct tgtaaaactc caatgtcttg atcttagtga caatgcctta gaaattgttt
180gcccagaaat tggctgtctg agagctttac gtcactctcg attagctaata aaccaactgc
240aatccctacc tccagtagct cactgtggac cgaaatcgtc tatggtagt gccgcgccat
300ctctgccagc tggccagcct caatgagctc tccatggctg gaaaccgtct tgcatttttg
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401

<210> 2218<211> 399<212> DNA<213> Homo sapien

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120tcacacattg actcagcaca ccaggtatgt cacaacttgt gcttttgcac ctaataacctt
180tttactttgct actgggttcaa tggacaaaac agtgaacatc tggcaatttg acctggaaac
240actttgccaa gcaaggagca cagaacatca gctgaagcaa tttaccgaag attggtcaga
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399

<210> 2219<211> 401<212> DNA<213> Homo sapien

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120tttccatccc agcaatccca acatggtagt ctcaagggtc tctgatggcc tggtaaatgt
180atttgatatt aatattgata atgaggagga tgcactgggtt acaacctgta actcaatttc
240atcagtaagc tgtattgggt ggtctgggaa aggttataaa cagatttact gcattgacaca
300tgatgaagga ttttattgggt gggatcttaa tcatctggac actgatgaac cagttacacg
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401

<210> 2220<211> 404<212> DNA<213> Homo sapien

ggcacgagag aacagagagc agtgtacgat gagcatggaa cagtggacga ggactctcct
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120ttagaggaca ttcaagcttt tgaaaagaca tacaaagggt cggaagaaga gctggctgat
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240tgctgagcgt acacagagga acccaggata aggaatatca ttacagcaagc tattgacgcc
300ggagagggtc catcctataa tgcctttgtc aaagaatcga acaaaaagat gaatgcaagg
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404

<210> 2221<211> 404<212> DNA<213> Homo sapien

ggcacgagga tgaccccaac gatccatact aggagcatgg attgatactg ccaaattggaa
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120ttaagtcagc ctttctctgc ttccactata gcacggagga gatcaagggt tcagactgtg
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240aggatgagga tgaggaagag gaaagagaga agaagccagc aaaacaagca gaagaaacag
300ctcccattga ggccactgca accaaagaag aggagggatc aagttaatga aggccacaag
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404

<210> 2222<211> 397<212> DNA<213> Homo sapien

ggcacgagac tggatgtata gcagtttttc caagaagctt ggctcagaag ggtagcagac
60aggatgacaa atggaaagag aatgagggtc actggaggat tgttaaagag tacagcatgt
120ttgagtgtca cttgaaagggt tccagtggag aagctgaaga agtaggtaaa ggtaagaata
180accaagggtc agaagtctg gagcagggag gagggaaatg gattctttaa aacctcttca
240tcaagaaact aggaaaaaaa accaaagctg taccatctca gatttcagag aaagggaatt
300tagaaggaag taatataagc aaagaacaac aatattctgt gactgttttt aataataact
360aggaaaattc ctagtgcagt taactctgaa caaaatt

397

<210> 2223<211> 396<212> DNA<213> Homo sapien

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60aaagactcaa aagtgtgtaa tgtttcatgg aagccatcaa caaagcggat gactttcttt

120atatttttttga gacagagtc aactctgttg ctgaggctgg agtgaaaaac atatacctca
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240agtcttatta cagatgcgca ccaccctac ccagttgtgg tcattataga catcacttac
300gcccataac ccctttccag tattgtttgg aaaaaattgt tcttattctg tgaccacctt
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396

<210> 2224<211> 395<212> DNA<213> Homo sapien

gatcacttga gcctgggagg tcaaggctgc agtgagctgt gattgcatca ctgtactcca
60gcttgggtga cagagcaaga cctgtctca aaaaaaaaaa aaaaaaaaaa ttttttggg
120cccttttttt cttaaaaccc aaaattaaaa aaacccttgg gaagtgtggc ccaccctccc
180ccaaaaggcc gggaaaaaaa ggcttttttt ggaaaaattg ggaggctttt tttttttttt
240aaccctttaa aaccgggaaa aaaaaagtta acaacaaaaa ttgggttttt tttttttttt
300cgggtccggg gggggggggg aagttttccc nccctcctgc tgcgtagncg aacactctac
360ttccttttga cccttaaacc acaacttgag cgtcg

395

<210> 2225<211> 392<212> DNA<213> Homo sapien

acctcctggt aaggagctac taccaaatac taaagctact ttttcttact cgttcgtagt
60actgtcgaga atcagcttat cttcaccctc ttagactata tgtgaaaagg cacaatagga
120agtgttggga cattagagac aaatgtgcta tactttacgg cttagcctgc gcccggttct
180tattttatcgt caactgtgga caaaatgatt ttgtttcatg agacaaaagg ggaccaccaa
240cttctacggt aatgtctgcc ttttctaga tagactgtct attacataac catatgtagt
300ttatttttaa ggagaattac atatttttct tcacatgtca ctgttagaag taaatcccaa
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392

<210> 2226<211> 397<212> DNA<213> Homo sapien

ggcanaagct cagtatgtct ctttcaactc tagtttttga ggcgggggaca caggagggtcc
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120aaaagtgtca aacacaccag agggggcagg caccagccag ggtatgatgg ctactaccct
180ttcttgagga acctagact tcccttacta cagggaactg catgtcctaa agcactggct
240gaagggaagcc aagaggatca ctgctgtccc ttttttctag aggaaatgtt tgtctacgtg
300gtaagatatg acctatccct tttaggttaag cgaactggta tgtagtaac gggtaaaaag
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397

<210> 2227<211> 392<212> DNA<213> Homo sapien

cgttgtgtc ggtgaaattc tgtattgatt tttctctaag gagaatatga catgcttgtg
60cttaccaaga tcaagtgc atgaggcag tttgtttgc ctgaataaac gtaaaggaca
120agtaaacaaat ttgatgataa gctacagttt ttcttcaaaa gtaaatattt tatttatgcg
180ctgatagttg gcttttgaat ccattatttc atgctttttt ttaaaaaaaa aaaatatcat
240aataactttt tgaagaggca tttgtccc atataaattc ttttactttt attcactggg
300tgcactaaat aatgagaacc ttgggtggat tttgtttac ttcaaaaaa caaggtagg
360gatgttttta tccccctacc ttgaagaaag tg

392

<210> 2228<211> 395<212> DNA<213> Homo sapien

ggcacgagaa tggatctgaa ttgacaaat agcatgccac actaatacta cagtcaacaa
60cagcccagag aacaattact atgtcagctg gaggtatat tatgattcta aattcttaaa
120ggttttttt cctccataaa tcaaaaatta ccttatgtaa accaaaaatt agttgggtatt
180tatgggtcatg atcttaattc tcaagtttag cttaactctg tatttcattg tttgtcttct
240aatatgacag cttaaattca gatttttaag tgactcagca aaataggagg agtgtcccaa
300tttattagtg ttgtacatat tgaagaaaac cttttgttc cttcagattt agaaagaaac
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395

<210> 2229<211> 393<212> DNA<213> Homo sapien

ggcacgagat tatatggacc ccctaagtct tttttctag taaactgatg atactggaaa
60ttcttttact tgacatgcac aagaataagc tggaggcgat ttttcttt catcacagat
120tcatgaattg ttttaaatgc ttcttaaagt ctggctttat aaccgtttta aatcaactat
180gatgatttta gataaccaag taggtattat aatacaaac aattttaagt gtaagaaact

240atagtataat caaagtaaat tcagttattg tatttgtggt gttgccttgc cttgcatgat
300gctgggggaa aaagagaaaa gaaatggttt tctttttgta ctttcattca gtgcacaggg
360aaaaaagcat gtattgtgcc accggaagac aag

393

<210> 2230<211> 159<212> DNA<213> Homo sapien

acaaacgatt tctgttcatt ctttaagcat ctatatttca tttgttgtgc acatatgcat
60atgagcccat ttaagatatt tgcataact tgatagaaac cataaagggtg tagcagttaa
120gtccagccac atttggttaa tcagtgtttg atataattg

159

<210> 2231<211> 394<212> DNA<213> Homo sapien

cgttgctgtc ggccatgggt gtgacaaact ctgaatacca gaggaacaaa agggagagga
60aaaactgttc tatttttttt ccccaggtac atgtggaaaa attttgcgtgc actgaaaata
120acccttgcct ttctcttgcct ccagggtgcc cttttcttgg gcctgggggt gttgttctcc
180ttggtcagca ttcccttgggt catctatgac tgggcctgct catcgagtag tgacgaaggc
240cactgaaacc cgccgagaaa aagaaacatc cctgttgtct gctcagacaa gtccccacac
300atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga
360tacttaaaaat ggaataactt tttggatgca aaac

394

<210> 2232<211> 395<212> DNA<213> Homo sapien

ggcacgagag actctgtctc aaaattaagt atctctaaat acaggattat aatttctgct
60tgagtatgga gtttaactacc ttgtatttag aaagatttca gattcattcc atctccttag
120ttttctttta aggggaccca tctgtgataa aaatatagct tagtgctaaa atcagtgtaa
180cttatacatg gcctaaaatg tttctacaaa ttagagtttg tcaattattc catttgtacc
240taagagaaaa atagggtcag tttagaaaagg actccctggc caggcgagc gacttacgcc
300tgaatctca gcactttggg aggccaaaggc aggcagatca cgaggtcagg agttcgagac
360catcctggcc aacatggtga aaccccgctt ctact

395

<210> 2233<211> 393<212> DNA<213> Homo sapien

cgctgctgtc ggggtcaccc tgcataaaaa cacatggagc agactgctga gccagctcag
60gggaagcgga gagaccccag gagtgcagggt gagaatgcaa ctcacttgtc attacacagg
120atatggcaga tcggatttga ccaacaaaat ggggaggaac tgatccagat gtggaatgtg
180acagagaatc ctttccact gccatggaac atttataaaa ataatacat gttaatcaat
240gaagaaaggg agccacacat ttaaaaaagc agaaatcgta caggccactt cctcagataa
300ccattctaac taggggtcaaa ttatacatca ggactgaaac cacaacata taggaaataa
360gataaagttt tttggttttt ttgagacgga gtt

393

<210> 2234<211> 391<212> DNA<213> Homo sapien

gaaatctgtt ctttcacatt gcaaaacaga gtctgagagc aagaattcac attcgaaaaac
60ttcagggtgaa aagaaccacg tggaaaaaga taaaatgaat acattggaca ttttgagaat
120ggagactaca gagagagaga atccagaagc tgaaactgta tctgtactcc tcaacacatg
180gaagatcaat cgcgtaaaaga ttttgaagag gaagatggca tattacagcc tgagaaaaat
240gattcttttc aaaatatgca gccagatgag cccaagggtt ttagtgaatg tgtaagcgtt
300caagagaata ataaggcgga tgaacttaac caagtcccaa ttctaaggac tcgatttcag
360aaaccaaagc caaatatagg aagaggaact g

391

<210> 2235<211> 396<212> DNA<213> Homo sapien

ggcacgagag agagagagag agagagagag agagagagag agagagagag agagagagag
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120acacacacgc gtgaagacac ctctctgtgt gcgcgcactc cccccctctt tgtttcgtga
180gaactgtgtt ctttttgca tatgtgtggc gctctatctc tttgtttacc ccctatatcc
240cccgcctctac acgttttctg gcgcgcgtgt gcattttttt tgtgacgcag gcacgggggg
300gtgtgtgaca tttttaaccc ccncacgccc cccctcgcta cgatgttctt tctttctttt
360tcgtccttgg cttttgcct atagtgttt cccact

396

<210> 2236<211> 392<212> DNA<213> Homo sapien

ggcacgaggg ctgacgtgga ctgtccacag tgttcattgt ctggagtcag ggacggccgc

60acctgcctcc gccggctcca gtgtgcgggg agcctctgcc tgagtgtgca ccaggcccat
120gtttattgac cacagtctga gcggggggga aggggactgc ggtggacacc agaggaagct
180gtttcctgtt gtgatgttg acctgtagta ggacatggtg attgttaat tccatggga
240agccatgatg gcctagcatg gagggaaatct gttcccaggc cctgcctgga agttgagga
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360cagtcattgc ctgtggcaaa tgtgtgtatg aa

392

<210> 2237<211> 395<212> DNA<213> Homo sapien

ttgataaaaa gtcaaagatt agcaaagata tatgctcatg caataacaca tatatgaagc
60acagaagcaa aagctggact cagaacaaaa atagcaagtt gagccttaaa cacactgagt
120ttgccttggg agtagaatgt ccaggcagag aagtccatca ggcaattgaa aatgtgaatc
180tgcaacttgt aaaaaatgta ttattcagcc tgggctgtca tacaatagac cacagactgg
240ttggcttaaa caacaaaaat gtatttctaa ccattctgaa ggctagaagt ccaagatcag
300gatgtcagca tggttgggct ctattgaggg ctctcttcct ggctataga tggccacctt
360cttgctgtgt cctcacatgg ctaaaagaat aagag

395

<210> 2238<211> 394<212> DNA<213> Homo sapien

cggtgctgtc ggcaggctgt gatcggatc ctacagcctt accctcgtgt cctggatctt
60ttccttccat ttctgtgta cagccttttt ggggacactg ccgttaccct actctagcta
120gcatagctct gtctgtaggt gtccataaa ggtgatagga ctgaccacac cgtcaccttt
180cccggaaacc caagagggag cgttccacag agggagcgtg tagtgggggg aactgtttta
240taaattaatc cgtttattga aaggttcaca aggacaaaga ggcaacagca agagtcaggc
300acagaaataa aggacgcaga agtagaagtg cgccttgagc ctggaggact cttccagagt
360gtttatcact tggtagcctg gtaggagggc tgcg

394

<210> 2239<211> 396<212> DNA<213> Homo sapien

ggcacgagga ttgtcccagg acctgaaggg agcatggatg gcctcagggc ctggtgaagt
60ctgctactct gtccttactg ctgaacatcc tgcttgatc aggaaactca gaagcagttt
120gccttgtcaa attcaatctc aatggccatt gtccataaa ctgacacccc atggctgcct
180ctcctattat ctattatcac tgaaacttag tagcctgctt tttttttttt ttttttaaaa
240cctatgggaa atttcccttg ttgggaacct tggccccggg ttgggttttc ctttcccttg
300gaaaattaaa acccaaaagc cttttttttt tgggtgaatt accggagggc ctgcccctaa
360ggggtgccc tgccccttg gggaataca aaaaa

396

<210> 2240<211> 391<212> DNA<213> Homo sapien

ggcacgagct ttcttaaaac catctaaaat aaaaccttct tatttttagta gtgtcagtga
60aaataagcag tgacatttct tagaattctc agctttcaaa tctacatgct gtgatcctgt
120ctgcctacca tctggacagt tttgtttac tcttgggttc ccccatggag taaaagtctc
180aaatcatcta gcattgtttc tcttatctc aggtgatcca ccgcctcag cctcccagag
240ggctgagatt acaagtgtga gccactgcgc ccagcctaca gaggactatt gagcatccaa
300tgactatgct aggtatgcag gtatagtact aagtaacagg agttcctaatt cctaagaggt
360tctccatcta gcagaagaaa accaaacact t

391

<210> 2241<211> 392<212> DNA<213> Homo sapien

ggcacgaggt tgctcacagt gggtcacgag ttatcgaaca tgatacagtt aatgatttcc
60gagagaagat gatgtataaa gctatacatt gtgttcaaaa tatgaaacca gaggagtatg
120ctcataagat tttggaatta cagatgcaca gtataatgga aaagaaaatg aagaccaaga
180gaaatattgc caagcattac aagaataacc catcactaat aactttcctt tgcaaaaact
240gcagtgtgct agcctgttct ggggaagata tccatgtaat tgagaaaatg catcacgtct
300tatatgacccc agaattcaag gaactttaca ttgtaagaga aaacaaagca ctggcgaaga
360agtgtgccga ctatcacata aatgggtgaaa tg

392

<210> 2242<211> 391<212> DNA<213> Homo sapien

cggtgctgtc gagaggttta accttggaaat aaaagaaaga atcagcaa at acattatctg
60agcctacata cactttgtaa aaagtatact tccactgttc agaattagat gatggcacia
120aacctgttga ggtcttcatt catccttaca aatgtttatt atgctgagtg tcccaggtga

180ctggatacag tggagtgaat tagaaatttg aaattattgc cctgagggga cctacattct
240tcttggttga gtgcgtctgt gtgggataag gtagacaaat aatataaggaa attcaaaaaa
300ttgtttcaga ccatagtaag ttctatgcca gaaatgaata gtccatatga taagaggaac
360agacattgtg agatgttgga tctataggaa a

391

<210> 2243<211> 396<212> DNA<213> Homo sapien

ggcacgagat aaaaccagc tgtgtaagaa ttattctaaa tttaaagttt attcttatta
60ccgtagggat aggaatgtca gcactcactg aattatggcc ttcctctcct gtgtctggac
120ctcctggcag cttatggttc cgttttcctt tggataacag gatacagctg gtggcaaaat
180tctcacctgt ggaatggcca ttgggagttt tcttctccat atagatcttt gcaaagcagc
240agaaaccatt ttgacaggaa accacaagcc tgtgttaaac accaaaagag aattgaaata
300acatgtccat gagttcctct ttctagaggt accaaccatc atgtgggac ctaagtatatg
360tgtaagtag ctctttgtcc tcccttcac tttgag

396

<210> 2244<211> 392<212> DNA<213> Homo sapien

ggcacgaggc aggggtggagc cctctgagct gcccgctgat ctgcagcact ggatctccta
60caacgaggcc agcagccagc tgctccgcat ggagagtagg ctgagtgatg tcaccaagga
120ccagtgaaccg ccaccttcac accgtctgcc ctggccacca tcttgggcct gggggctgcc
180cacagatggg cagtctcagc catactctgt tccagctggg gtagcctcct gaccagcctg
240gcccaccctg ctccaccac tgggcccccc cagttattga taccctctg tgtgggctc
300cacgctaggc agaaggagga gtggcattgg catcctgacc cagctctgcc ctcaaggtgg
360ggatggatgg gcaaaggaga gtctgcctg gn

392

<210> 2245<211> 397<212> DNA<213> Homo sapien

cgttgctgtc ggttttcac caattcctac tcgtagcagt acattagaaa ctacaaagag
60tctctttatc attgataaaa atgagcattt tacagtttac agagatcctg cacttattgg
120gtcagaaaca ggagctaata atatttcacc ttctctaagc cagcatcctt ttctcttca
180ctctcatct catagaacct gttaaatacc aggtaccat catcctgcct taactcctgc
240acccatttta ctgaccgat catctagtca aactccatta cctaccatta acactcatcc
300ctgactagt ggtccacacc atgctgttca tcacctcat ttacttccca ctgtgttacc
360tggagtgcct actgcctcct tacttggtgg ccacca

397

<210> 2246<211> 396<212> DNA<213> Homo sapien

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60tggggtcacc tggtgtttct atacaacagc aggggaaggg ccatggagct tttccctgct
120gggtgctcct gctttggccc agcccacctt tctgggtgct ccaagctagg aggcgtggc
180cccagcctga ggagggtgtc ctggcctcca ggtgtgcagc aggggctgtg tgctggggga
240ggttccagtt aggcgatggg atcctgcagt ggtctggtgg catttcttgg aaccagattt
300acctgaggag ctctgtcctg ctccctgtgg agggctccag atagctcaga aatgaccagc
360caatggcctt ttgtttgggg gctgaggtc aagaga

396

<210> 2247<211> 395<212> DNA<213> Homo sapien

cgttgctgtc ggggcgtaag cacatctctt ttctggactg gccgactcct ttctggctcc
60atcctctctt gaggcttctc tgtccagctt aaagaaatcc ttgcagaaaa ctggtcagga
120tctgggtatg ggtgggaagg agcaaggaga ttgctctggg attggcagtc ctgttctcta
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240cctccatgag gagctgcatg tggattgaga gctgtttang gtaggcaaaa atgctgtcaa
300gattctctta cccttgtgct cttactctgg acagccctga ggttggctgc ctgccttct
360ccttgtgtt tgatctaaaa tgcagggtgt tagcn

395

<210> 2248<211> 391<212> DNA<213> Homo sapien

ggcacgagcc tgaagccagt agacagtga gaggctcggg ggacgaaccc ggcgctgttg
60gaggacgacc tcagtgtgct cctgagcctg ggcatggggg cggtggctgt gctagacttc
120attcactact gcagagccac cgtgtgctgg gaactaaagg gaaacatggg ggtccttgtg
180cacgacagtg gagatgcgga ggatgaggag aatgacatcc tgctgaatgg cctcagtcac
240cagagccatc tgatactgag ggctgagggc ctggccactg gcttctgcag ggatgtgcac

300gggcagctga ggatcctgtg gaggagacca tcgcagcccg cagtccaccg ggatcagagc
360ttcacttacc agtataagat acaggacaaa a

391

<210> 2249<211> 395<212> DNA<213> Homo sapien

ggcacgaggc catctggccc tcacctcccc cgtagctgg ctgtgacgcc cgccatgggc
60acactggggc agtgacgtga gaagacgagg atgcccagca ggctgacaac ggtgcagaac
120aggcagaact tgatgaccgc ggagccccgg agcctgagct tgttcacaaa gaagccggcc
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240ctcacatcac cccacactgc aggagggcgg ctctttcctc tcggccacac ctagagcctg
300gttccgatga acgcaactct gaatgcctgg aacattcaaa tgctcttggt tgaggaggtg
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395

<210> 2250<211> 397<212> DNA<213> Homo sapien

ggcacgagct ggcggcatta tctgcgggct tatgctgaca ctaagctggc taatgtactg
60tttgccccgg agctgcgcaa ccagcttgag gccactggcg tcacctgcta tgcagcccac
120ccaggggctg tgaactcgga gctgttcctg cgccatgttc ctggatggct gcgcccaatt
180ttgcgccccat tggcttggtt ggtgctccgg gcaccaagag ggggtgcccc aacaccctg
240tattgtgtct tacaagaggg catcgagccc ctcatgtgta gatattttgc caactggcat
300gcggaatagg agcctccagc tgtcctagac gaccgggcaa gccatcgctt atgggaggcc
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397

<210> 2251<211> 392<212> DNA<213> Homo sapien

actgcacgag ggtcaatcca acattgttta tatcagttca cccgtaatga gaaacttcca
60gatgcgaata aactgctttg agaagtatgc acacggagac agtgtaatgg accaaaggca
120tatataaaaag gtgaaaggaa gcatgtttac accaatgcca aaaagcacat gctaatttct
180cttgctactc ctgatcttac tcttcattta aagagatttc agcaggctgg ttttaacctt
240cgcatagtta acaaacacat aaagtttccg gaaatcttag atttggctcc tttttgcacc
300cttaaatgta agaattgtgc agaagaaaat acaagggtac tctattcctt atatggagtt
360gttgaacaca gtggtactat gaggtcgggg cn

392

<210> 2252<211> 396<212> DNA<213> Homo sapien

tcttagacga ccaattatag gttatggagt ataattttac aagagtttcc ggggagaaac
60tttaggatat actcggtttc aaggtgttta tctgcctttg ttgtgggaac agagtttttg
120ttggaaaagt ccgattgttc tgggttatac gagggggcac ttctctgctt tggttgccat
180ggaaaatgat ggctatggca accgaggtgc tgggtgcta ctcaataccg atgatgatgt
240caccatcaca tttttgcctc tgggtgacag tgaaaggaag ctactccatg tgcacttctt
300ttctgtctac gagctaggtt atgaggaaca gcaagaaaaa ctgctcatgg agtggctgga
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396

<210> 2253<211> 393<212> DNA<213> Homo sapien

cgttgctgtc gattgccgtg gcgagcgaca agtcctcttt tgccactcct ggggtgaacg
60tcgggctctt ctgtcttacc cctgggggtt ccttggcaag agcagtgctt agaaagggtg
120ccttggagat gctctttact ggtgagccca tttctgcccc ggaggccctg ctccacgggc
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240agatcgctc actgagccgt ccggtggtgt ccctgggcaa agccaccttc tacaagcagc
300tgccccagga cctggggacg gcttactacc tcacctccca ggccatgggt gacaacctgg
360ccctgcggga cgggcaggag ggcacacgg cct

393

<210> 2254<211> 388<212> DNA<213> Homo sapien

ggcacgagga tctttatgca tttcccacta ctcccttact gtcttttagc attcacagaa
60aaagccaact tgcttaaaga ggaatcactt aaaaggtagg catatctaag atgctcatag
120aagaggaaga atgggacatg gccccatgct tatttttggt tacaacgtaa catggcatga
180gagagggcag agaaactaag ttgctgggga aagtttagagg aactgaaagt ttgggaatag
240gctgaccaca tattatgcca gtgaccagta tgacaggaga tggggccctg ctgccagtca
300tctccactga ataaagaata atgctcctct ttcagggttaa taaagtgggg aaaaggaacg
360tcttctcaat gcaagaacat aagctttt

388

<210> 2255<211> 387<212> DNA<213> Homo sapien

cgttgctgtc gatttttgaa ctcaacccta tgaacaatgg gccattcaaa tggaaaaaaa
60agctgcaaaa gaaggaaatc gcagagaacg tgtttgtgca gaacatttga ggaagtacaa
120tgaggcccta caaattaatg acacaattcg aatgatagat gcgtatactc atcttgaaac
180tttctataat gaagagaaag ataagaagtt tgcagtcata gaagatgata gtgatgaggg
240tgggtgatgat gagtattgtg atggtgatga agaagatgat gatttactca accctttgaa
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387

<210> 2256<211> 385<212> DNA<213> Homo sapien

cgttgctgtc gcttattttt gtctttcact atcgcaggcc ttagaagagg tctacctgcc
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120gaaatgtcac attactccct tcagagattt cttgtagaag agccaatccc tgaatgccac
180caagatctta atcttcacat cttaaatctt atctctttga ctctcttta caccggagaa
240cggctccagc tgttctagct ctctttcagt tctttgaacc tteccacctt agggctctata
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385

<210> 2257<211> 388<212> DNA<213> Homo sapien

ggcacgaggt ccagccctgg taatcctgat gcagagggtc cacaaccaca tttgggaaat
60gttgacctaa tgcacagcag gaaagcactt tcatttgcta agaagtttcc atatgaaggg
120ccacgcagac ctgagcatgt agaaaggcaa ggggccaggg aagtacttag aacactgact
180ctggggttat attgcctggg tttgaatcta atcttggtcg ctactggtg atgctaccca
240aggtgtctgt accttcattt cccacctgt agaaataggg ataggatagt ggaaggtatt
300gagatgagct gagaccatct gcatagaggg cttaacatag tgactgggac ttancaaag
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388

<210> 2258<211> 389<212> DNA<213> Homo sapien

cgttgctgtc ggtgaagct gtcacctgtt ggaatatcag atattaagga tggccagaag
60ggcagtgggc agagccagag agtgtttctt gaagcctgtg acagatttga agggcctgtt
120tcataatatct ataaactgaa gagctacatt gttaaagaa ttaatttgg aaataaatct
180accctgagat gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt
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300atacaaaatc cgcataatt taccggcacg agtccccctg cttgcattgt aggtgtcaaa
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389

<210> 2259<211> 385<212> DNA<213> Homo sapien

tacggttgct agattacgac agaaggggcg tcagatggga gtgctgttta accttttcag
60gaactgtcag actgtttcga agagggtaca ttattttaca ttccaaccag cagtgtatga
120gaattccagt ttatccacat cctcatcaac agttgttttg tctgtctttt ttattatatt
180catctcgcgt gtgaagcgcg tatctcattg tggctttgat tcacctctcc ctgacggttg
240acgacccccc ttctcattgc gtacccatc tacctccccg cggcctttct tcatacactg
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385

<210> 2260<211> 390<212> DNA<213> Homo sapien

cgttgctgtc gctctgaagg aggtcttcaa ggagtatttg attgaactgt ttttcttgca
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120acaagcatat cttaggcaga atgatttggc cattgaagaa gaggaggagg aggaggaaga
180ggaggaagaa aaatctgagg ttatcaatga cgagcaagcc ctgcaggga gcctggtagc
240aggggccgga agcacagtag agacggacct gtttaagagg cagcaggcga tgcctccac
300aggaggaatg cccccacgc cgcaagccgc gcagctcgtt ggacagaggc agagtacaga
360gcagtatgac ccctccacgg ggcctccctg

390

<210> 2261<211> 386<212> DNA<213> Homo sapien

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120gtttttataag tatgttgaat aagttgagcc agtttgaatt gtgtccttct cttttaaaga
180aaagattttcc caaatttaaa cctggattta gatgtttttt gggttaaccc tactgaactt
240tccaaaattt tcaggcttct gggcctaact caaactgtaa tttcatgagg cgggccaagt
300gattttttaat ctcatttaaa agttaccata agctctactt gaaccatttg ggttttagta
360taataaaaagg gcacatgtat tgggtt

386

<210> 2262<211> 389<212> DNA<213> Homo sapien

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120tcatatctat tagggaaaga aaaatgatca cagtctgcta agagtcttga ttttctttgt
180aatgcctcac atagtatgat aatcagtctc caaagcatca catgataatt acaatgatac
240cattaacatg tcaaggaaat tatattattt atggttgctc aaaattatga agtagtgat
300gattataagc agatatggca aatttggttca gtaaattccat agatgactac attttgagaa
360atactaagat aataactaaaa attatgccn

389

<210> 2263<211> 388<212> DNA<213> Homo sapien

ggcacgagcc ccagtttttg ggctcacttg tcctgtatcc taacaactat ttacatagta
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120tgtgtaaatt gtatgtgaat acaaacattt tatataaggg acttgagat ctgtggatct
180tgatggggta ggggtgtcc tgaaaccaat ccccttgga tactgagga tgactatata
240cttaagccac cagacatctt gcatatcata gacaattgtt tgggtccat gagctttaat
300tacaaaatgt aatgctggga gaacatagag aagagtgatt ttgtttttta aatgtacact
360tgaatctgta gaaatatact acatttgn

388

<210> 2264<211> 386<212> DNA<213> Homo sapien

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60ttgacactcg ttcagagaga tgtttgggga atttatagac acttaacatt tatgcactct
120tatataatcg gggcgggagg aattacagac acttaaacca ttactgcctt ctctctcaaa
180agaataacag ctttggtaac tgggttagca gaggtgtagg tggacttagg gttgtaaaca
240gatactcatg gcactgacat cgatgagtct atgagggaaa ttagaaagat aaatacatct
300gggatgtaaa ctcggaagg cgaggctgtt caaaatgttg gtgctattga attgtgatcc
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386

<210> 2265<211> 389<212> DNA<213> Homo sapien

ggcacgaggc tggcccatct ggactcatgg tagtggttaa gaactggatt actgcaatag
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120agttaattac ttaaagctga taaactaggc tgggtgcagt ggctcatgtc tgtaatgcc
180gcagtttggg aggccaaagac aggtggatca cgaggtcagg agttcgatac ctctctgacc
240aacatggtga aaccccggtt ctactaaaaa tacaaacatt agctgggcat ggtggcacgc
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389

<210> 2266<211> 389<212> DNA<213> Homo sapien

ggcacgaggg aacatgaggg aatgggcaag cctagagatg gtttcatgcc atctctagct
60ttgggagcca aattctgaaa cagaaacttt ctgtttccca taattctccc tcaacctcac
120atttttatat ccatttggat gcagaggcaa tatccccatt ttacagcaga gggagatacg
180atttagttgc aactacatac agttagcaag aggttagagcc aagactggaa tcttcagttg
240ctagcttcag aatctgtgct ctttgtgtgc aaaatcattt ctaagcaaga acaaggattc
300tagattgtcc tcatccttac tacagagtca tatcagactc ggggcaagac ccaaggctg
360caggcacctt gggcagggtc ataatttgg

389

<210> 2267<211> 390<212> DNA<213> Homo sapien

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120tttgtaatta tgatactgat tttaatgccg cacatttgca tactatatgc ttgttacagt
180gatccccaca gtaactcatg aagcagccac tcattgtaca aatgaacgtc tccatataat
240agtttagcta ttatacagta catggcagaa acacaattca aactcaagtt tatacgaata
300ctttcaagtc tccttacctg agagcagaaa gtgacattta aatttaaagg agttcccagc
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390

<210> 2268<211> 390<212> DNA<213> Homo sapien

ggcacgaggt gtgggattac agttgtgagt cactgtgccc agcatggagt ttcttatatc
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120tataaaagttt ataacgtatt aatgatctca ttacccaaaa ccagaacata atttcacaag
180ggttcctact tctgtattgt tttattatct caaaaattta aataacatgt tctgctgggt
240attggctctg ttatccactg tattagcacc ttccctgatg tgctttggag gttgatcaat
300gaatttctga gactttctgc tggaattact ttaagggtgt cttattagat gatgaaaagt
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390

<210> 2269<211> 387<212> DNA<213> Homo sapien

ggcacgagcc taaaccatga gctccttatt tgtaaagggg acattagcca ctctccagca
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120aaatccaggc ccgtgaccag tgacttgatc agggctggcg atatatctag gtaggccaac
180caggtggact cagtattttt gtgggtgcta ctggaaaatt tatttaattc taactgaatg
240tagaaacagc aacagacatg aatggcagt tgtattgctg tcttatcatg aggtgagggc
300ctgaagctat ggtagccacc ctgtgaacct tggaaggagg gttctacagg aactggcaga
360gctgagactg ggacgcaacc catgtn

387

<210> 2270<211> 385<212> DNA<213> Homo sapien

ggcacgagc tgcatacagc tgggtcttg agtccaggct tttggactga aacaaggacc
60tgaaacatct aaaactacct cttgattcta taggaaggag atagggtgctg aacttgctca
120agagcccaga gagctggttg tagctcacac ccgttccctg ggcattgtgtg ttctgcctc
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240gacgtgtgct cggaggtggt cgtgtttcac agtggggatg ggggtaggga ggtcccaat
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385

<210> 2271<211> 386<212> DNA<213> Homo sapien

ggcacgagga aggcagttat atggnTTTTT actttttcat caattccata ccattcgggag
60taactaaatg aacatactt caaagaaaga agtcaaatg aatgactgtc attgccatt
120aataaaaaa acaatctgag cttaacaaaa aatttaacaa acagggaaga cagaaagatg
180gtatatattt tgctgacta cactggcata actcacttta acaaaaaatta tcacatttaa
240taatataacc tgttatagct aaatattaaa cacatattaa ttagggccaa ctttgaagga
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360gtcattataa acaagttttt tctttg

386

<210> 2272<211> 388<212> DNA<213> Homo sapien

ggcacgagct tagccatcca ttgtgtctca aaactgtttt ggaggtgaat aactgtgagg
60caggatggag aaccttttgc tctcccatcc agaagggcac ctaaccaggc ccctggagca
120gacaaaagga gcaggaagtc aaicacttgc atcccagttc tctgaagccc aagaagaaaa
180cggattttcc ttcgttttgg ttcggaggcc tagtagagaa tttggattcc accaagttct
240cttttttcaa aaaaagtaaa cggtcagag cagacaaaaa ctgtggaaac ttgaggcctg
300ggtagtagtg gttttgtttg attttgaggc tttaaagaga taaggagacg gtggtggagc
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388

<210> 2273<211> 390<212> DNA<213> Homo sapien

cgttgctgtc gcttatgtcg tattgcttta cagccactac acttgattc ctgttgatta
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120caccagcaag tattccatac ctacttgatg ttgctggtct ggtgtcttat ttctaaagt
180gaagcatctt tttttaaaaa agaatttgat tgacaatata tccagtccaa tataagtatg

240aaggattctc tctcctgaga ttgtagcagg cagccaaaca ttttcaaag atgccccagg
300tttttagctgt cttgtgtgca tccacagtct gcgaagaaga catgataagg acatcagggg
360gccacaaga ctccataatag cctcactacn
390

<210> 2274<211> 389<212> DNA<213> Homo sapien

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120ccacgtgggc ttctcttttcg tccgtcagg cctcactttt ctccgtaaac acccggcac
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240gcctcgaaag ccgcaggggc ggcagctcgc ctcggaatga cctctgacgg aagaaataaa
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360cgtactgggg aggtggactt cagggaggg
389

<210> 2275<211> 389<212> DNA<213> Homo sapien

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60ggtttttggg gccccaaaaag ggggtgggga aaccccggtt tttttgcctt atgcccccc
120ctggacttcc ttgggaaaaa aagcctattg gcctttccca aaaaactttt ttttcaaaag
180gaccggcttg tgggaaaaaa gcccccttg gggctttttg gggggggtta aacccaggg
240agaccgggga acctcatttc ttggcccccg tttttatttt tttgtaagct ttgaaaaac
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389

<210> 2276<211> 390<212> DNA<213> Homo sapien

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120gttttttcac acctgcggct gtcttcgat cgaccacagc tgtgcaggag gggcaggagg
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240gttcagggat gtctcagctg tgagttacag ctgcacgctc tccaggaaag aaggaatttc
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360tgagctgtga ctgccagagg agtgggaggt
390

<210> 2277<211> 386<212> DNA<213> Homo sapien

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120cggaggcgag ggcgggacct tggcctcat gcagagggtc agctggcccc gagggatggg
180gtcattggcc ttaaccccct gcctgatgc cagggaacg acctccgtgg cgccctggat
240gcccagctcc gccaggctgc ggggggagct ctgcagggtg tccacagccg gcagcttaga
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386

<210> 2278<211> 385<212> DNA<213> Homo sapien

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120cacgtaggcg cctggggccc tggcttctct cgaactgcct tccactgcct ggaggtcatc
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240ttgagcataa aacagccctc tgccctaaag gagttaacct gttggaatca catacaaagg
300attctgacta ccaagcgct tgaagttaag ttgaactctg aagacagatt gcctggctac
360aaagctcagt tccactacat atggt
385

<210> 2279<211> 390<212> DNA<213> Homo sapien

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240cccaggccct gcgtgttgcg gtgagaggag catttctgtc tctgtggttt gctgtggag
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360aggagggcaga agacgtggac gtgtccccggg

390

<210> 2280<211> 386<212> DNA<213> Homo sapien

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60gttgaggttg aagatcgcca tctcagaggc cgagcagtct ggggctgtcg agggcactgc
120gtctgtcagc ccccggtccc caatccgcca gtggcgaact caggaccaca atacccagc
180acttctccct aagccctctc tgggcccgaag ctactcctgc cctgatctgg gggcccttg
240cccaggtacc tgcacctggc cacctgtctc accccaacca agccgaccac ggcgcggcg
300gcacactgtg ggtggtggg aaatggccc agccccgcca cccctcggc cctgtctcg
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386

<210> 2281<211> 390<212> DNA<213> Homo sapien

ggcaccaggc gctttgtgac tggaggtctt cgtgggcagt tctatcagtg tgacttagat
60ggtaatctcc ttgactcctg ggaaggggta agagtgaat gcctttggtg cttgagtgat
120ggaaagactg ttctggcatc agatacacac cagcgaattc ggggtataa cttcgaggac
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240aatggccgat tagctttgtt aaatgtagca actcaggag ttcatttatg ggacttgcaa
300gacagagttt tagtaagaaa gtatcaaggt gttacacaag ggttttatac aattcattca
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390

<210> 2282<211> 390<212> DNA<213> Homo sapien

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120tcacggacca taaaactcca agaggctcaa gaaggacag atcagccatc acttcatggt
180caactttgtc agggagcgct agggaccag aatttacctg tgcggccaga tggcaccttg
240aacttatttg ttaagggctg tctactctg ccagaccaac aaaaactgag actgaagtgc
300ccagtcctga ggaagcagc ttgccccag tggaaacact catttgtctt cagtggccga
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390

<210> 2283<211> 385<212> DNA<213> Homo sapien

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60acgcacacat ggaggctgtc ctgcagagaa gtccgcgca catgaggcac cttttgatgt
120cccagcagac cctgaggaat gtgccaccga tagtgttgt tcaagacaag ggaaatgcag
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240acaactttgt acaaaatgat ttcagggacc ctgatgcccc acaaccctgc ggcaccacag
300agccgaccac aagctccagt ctgtgtgga tcgatcatga ggcgtcaac aagcagatta
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385

<210> 2284<211> 386<212> DNA<213> Homo sapien

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120tcagctggc cgagagcact ggtggcaaga ggctgctgat cccgttggt cctggtgtgg
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240gggggagggc ggaggacttg agcagggaca ggagttacca ctgaggacgc agaagtgact
300tctgcttgag gacgtctgca gctcctcta caccagcaca ctggtgggag gctggcggag
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386

<210> 2285<211> 385<212> DNA<213> Homo sapien

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120ttggaatata catatggaag aagagcaaaa gggcacaaca caccaaaaga tatcgctcac
180tttttgggaac tcggtggagg aacctcttta ttggacttaa tcagcatacc catcacaggt
240gacaccttac ggagcttttc tctgtctc gttctggatc tttcaaaacc taatgatctc
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385

<210> 2286<211> 389<212> DNA<213> Homo sapien

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60catttagagg ctgccgctct gctgagtga agaaacgcag atggtttaat ttagctagt
120cgtttccacc ccaactccct gctgctgtct ttgctggact ttgtggccc ttcaaggccg
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389

<210> 2287<211> 388<212> DNA<213> Homo sapien

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60cgtggtgatg gaatgtgggc ttgatgtgaa atacttcaag cctggagatg aggtctgggc
120tgcagttcct ccttggaaac aaggcactct ttcagagttt gttgtagtca gtgggaatga
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388

<210> 2288<211> 386<212> DNA<213> Homo sapien

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120cttttaagg cattttgatc ccttcagccc tgtgagtgc atctgatcat gttattacag
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240gtcagagatc gcgttttgat gtattggaat gcttaaaagg agaccagtat attgcggaca
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386

<210> 2289<211> 385<212> DNA<213> Homo sapien

ggcagagggg acaagagaaa tacttgttgt tgcatgatat ctccagaatcg gaatttctaa
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120cctttgaata ctgtgccagg atttttaagc aacactttat ggacagcaga ataccttgc
180taatcgtagc tgcaaaagca gacctgcatg aagttaaaca agaatacagt atttcaccta
240ctgatttctg caggaaacac aaaatgcctc caccacaagc ctccacttgc aatactgctg
300atgccccag taaggatatc ttgtttaat tgacaacaat ggccatgtat ccagaggatc
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385

<210> 2290<211> 387<212> DNA<213> Homo sapien

attcaattct gcacgaagaa agctgagaa aatgaccact ttggtgctat ggggaggcct
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120ggacatcatg gagccagtaa catacttcat cacttatgga agtgccatgg caatgtatgc
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387

<210> 2291<211> 384<212> DNA<213> Homo sapien

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120gtaccagctg ggatttttgt attaagcagc tctatggggc tactatacca gcagaaaatt
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384

<210> 2292<211> 381<212> DNA<213> Homo sapien

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180gaagtttacc atagcaactt tcagtagtac ttcaaagaag atagctgtat aaatgtcatc
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300ttataaattg ttttatatgg tgctcactgg tgcatttttc cttttggata agggaaaaca
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381

<210> 2293<211> 383<212> DNA<213> Homo sapien

cgttgctgtc gctgggtgcg gtggtgctg cctataattc cagctactcc agatgttgag
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240ttttcaaaag aattttccaa accaaccccc ggccggggga aatttgacct tttttggcaa
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383

<210> 2294<211> 384<212> DNA<213> Homo sapien

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60cactgcgcct ggcgggggat tatgttttaa atgttatctt tcacagcgtc tgaagttctg
120tgcttgaaac ctaagtcatt tggaaatgtac ttgttttggg ggtgtgctga gaggatcggc
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240ctaanaactac cactctacac tcactcttca agattctttt ctcgagctga tcaacctatga
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384

<210> 2295<211> 384<212> DNA<213> Homo sapien

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120cctcggatta gagatgtca acctgcatca acaaacttaa agcctgcac tggctacctt
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240attatgtgat gtattacttt tcccagcagg ccagtgttag catactggaa gagggattta
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384

<210> 2296<211> 384<212> DNA<213> Homo sapien

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120gcaggaggag gaaaagcagc acctccctca gacagctgga aaggccctct tcttccag
180ctcagtgagg ccggccaagg gtcaccagac gggatattgt cccacacctc ctaccaacct
240caagaacaca ctccacacct ctcttcgctg ctgcgggtgtg aagcttcagc ctaaccaaat
300cccacagagt ccatctcgac agcctgggat gacacgggtt cccagagggg ggacagagtg
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384

<210> 2297<211> 379<212> DNA<213> Homo sapien

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120ggctcgaatc tgtggcacc tgagcaatta cttaaattgt ggagcctagt tctcatctg
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240attctcctag ctacgtgact gccacaggat gggctcttca gattttggct ctctttagct
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360caaaaaattt taattcctc

379

<210> 2298<211> 384<212> DNA<213> Homo sapien

ggcacgagggt tttctcctgt taagctccat tgcctcttc cacattttgc tattattata
60ataaacatta taaatgttaa aaactcaaca atatgttgnt aaacttattg ttttatgtac
120tctatgcttt tttttttttt ttgaaaagga atttttcttt ttttccccca gctggaaggg

180aatggcctta atttttttta acaaaaaactt cgccttgggg ggtaaagaa ttttcaaatt
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384

<210> 2299<211> 384<212> DNA<213> Homo sapien

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120gcagcagcaa gggtagacatt gccactgacg ggggcttccg aactggggac gtttgtcatt
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240gccatgaaat attagttaag ggaaactagg ttgagaaatg agacagcagg atctatcaga
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384

<210> 2300<211> 384<212> DNA<213> Homo sapien

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120actgtggaat caataagcca tggcatctaa gaaatttgct gttaaaagac ggggtttggc
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240caaagtgtg ggattacagg tgtgagctac cattcctgac ctaggggctt ttctaaggaa
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384

<210> 2301<211> 384<212> DNA<213> Homo sapien

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120ctgctgcagt ggttttcaca tatacaaaga agtggctaga atgttctctc agaacagcac
180acgggattag aaaggacatt tggccgctgg aattcttcag tgagaattca gtgattagc
240ctgccttctg ttttccttgt gggccgcagg gttcctgtgg atgtcccccac cctcagattg
300ctggagttag aaacttaact ttccaaaaca ctgagttgtt ttcagcccag cattagaggt
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384

<210> 2302<211> 380<212> DNA<213> Homo sapien

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120acctttttac ttattctac ctgctatttc tttggccacc ggaataataa gcctgatga
180aattctgttt catactcca caggtcaact ttttttggag ttgacaata attattccaa
240gtcaagtaat tcattgattt tagtgggaaga ttgttttcca ggtgttatc ttccatgcgc
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380

<210> 2303<211> 380<212> DNA<213> Homo sapien

ggcacgagat tttggagacg acatggtgag aggtagctc tagggatggt ttagaaaata
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120ccctgggaag ggcagcgacg ctgggttggg aggagcatag actgcagggc atctgcctga
180gtgtagagtc cctgggcctc taattctgta aaatcgcggt aatagcatcc gcttctctga
240gctgttagag gtgtaacagg taaacccatg taagggtgctt aggacagggc tgggtgctggc
300taagtgccgt taatatcgtc agcatcatta cctgcgttat tgtagcactg atcgccatgt
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380

<210> 2304<211> 383<212> DNA<213> Homo sapien

ggcacgaggt gtgttctgt tgtggctatt tttagaatc ggtgtttctc agaattgata
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120gcacagaaat cagagcctca tccccattt agtgaagcat tgatgaggag agcagcgtct
180ttggtaacag atagcacctc tacctttctc ttcagacca catatgcgtt gattgaagct
240attactgaat atactaaggc tgtttatacc ttaacttctc ttaccgaca atatacaagt

300ttactttggga aaatgaattc agaggaggaa gatgaagtgt ggcaggtgat cataggagcc
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383

<210> 2305<211> 379<212> DNA<213> Homo sapien

gggaagagca cctagcccg aatcccccta cagactagt gcaagtggga cgctggtgat
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120cagctccaca tctttggaag ctagatttgg ggagagagaa gctctacccc agacttaata
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240ggaaagcctt cacgtcagaa cccaacccta taccttttac ttcttaaatg gtgctaacca
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379

<210> 2306<211> 154<212> DNA<213> Homo sapien

aagtttctcn nnacacgata tgatggggtc ttgggctaaa ggaggtccct gctgtcctgg
60agaaagtcct agaggttatc tcaggaatga ctgggtggccc tgccccaacg tggaaaggtg
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154

<210> 2307<211> 384<212> DNA<213> Homo sapien

cgttgctgtc ggggtggctt tgcctttgat cccagctatg ccgaaggctg aggcaggaga
60attgcttgag cccaagaggc ggaggttgcg gtgagccggg atcgcgtcat tgcactccag
120cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaaccc acccaaatcc
180tttttttaat gtagtagggt ttatatagat atactaatat aattgcattt ggagaattag
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata ttggatatt
300ttctagtttg catgatgatt aagagaacca gatgggaaaa tacaatctcc aaagtgatgt
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384

<210> 2308<211> 384<212> DNA<213> Homo sapien

cgttgctgtc ggggtggcgt tgcctgtgat cccagctatg cgggaggctg aggcaggaga
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120cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaaccc acccaaatcc
180tttttttaat gtagtagggt ttatatagat atactaatat aattgcattt ggagaattag
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata ttggatatt
300ttctagtttg catgatgatt aagagaacca gatgggaaaa tacaatctcc aaagtgatgt
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384

<210> 2309<211> 379<212> DNA<213> Homo sapien

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120caacccggcc gtgggggctc ccaggctggc cccccgcaca cggactcgtc ctgcttgctc
180acgcctccca gactccact tggccctgag cctggggacc ccgactggcc agagtccggc
240ggccccctgtg gaaaagcgct cccagagagg cagaggaatg gaccagcgg cctccggggg
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360cgcagctcca gcaccgagg

379

<210> 2310<211> 380<212> DNA<213> Homo sapien

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120ggaaagactg ttctggcatc agatacacac cagcgaattc ggggctataa cttcgaggac
180cttacagata ggaacatagt acaagaagat catcctatta tgccttttac tatttcaaaa
240aatggccgat tagctttgtt aatgtagca actcaggagg ttcatttatg ggacttgcaa
300gacagagttt tagtaagaaa gtatcaagggt gttacacaag ggttttatac aattcattca
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380

<210> 2311<211> 380<212> DNA<213> Homo sapien

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120cacggccgcg gcggcacact gtgggtggtg gggaaatggc ccgagccccg ccacccccctc
180ggccctgtct ccggaagag gtcttccctc tcggaggagt gggagcctcc ccttctctca
240ccacatcttg ctctccacg gcatccactt ccttctccga accagcagaa cccagggttg
300gttcaaccaa agggaaggag ccaagagcct caaaggacca ggtgctttca gaacctgaga
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380

<210> 2312<211> 378<212> DNA<213> Homo sapien

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120agcccatag ataacaataa acaatgttaa atatgcgaat gacagaattg aaagtcatct
180aatgcaactt catcaaagggt gagtcaggct tggattgac aaaagaaaga ggaaactca
240cagtgagtta gtggagtcca tttatgtagt tatgtgttct acctttttta attgtagtaa
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378

<210> 2313<211> 152<212> DNA<213> Homo sapien

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60ctgagaaaag caaactcttg cattctcaga caatgaggta gatcagttac cctacttcac
120agcataagag gggaatgtgc tctcagcatt tg
152

<210> 2314<211> 377<212> DNA<213> Homo sapien

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60agctgggact acaggtgtgc gccaccactc ccagctaatt tttgtatttt tagtagagac
120aggggttttgc catgttggtc aggtgtgtct cggaactcct gacctcaggt gatccaccgc
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360ggtcttctct tttattt
377

<210> 2315<211> 377<212> DNA<213> Homo sapien

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120tgaggcacc tctcaagata caaaagcctc tgagagctcg aagccatggc cagatgccac
180ctacggcact ggttctgcat cacgggctc agcagtttct gagctgagtc ctcgggagcg
240aagccagct ctcaaaagcc cctccagtc tgtgggtggt aggcggcggt caccctgctc
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377

<210> 2316<211> 153<212> DNA<213> Homo sapien

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60tttttctcta atactgtgat ctatctgac tgcagacaag aaccttgtct ctgttgaaga
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153

<210> 2317<211> 376<212> DNA<213> Homo sapien

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376

<210> 2318<211> 378<212> DNA<213> Homo sapien

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378

<210> 2319<211> 373<212> DNA<213> Homo sapien

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120gccccctttt taaaaaaaaa cgtttttttt ggggcttggg aaacttcgaa aaaatttttt
180tttaaaaaaaa ggggcctggt ttggaaccgt ttttttcca aaggaccggg gcggaaaaaa
240aacttttacc ttggtccaaa aaaaaaaggg gaaaccctgg cccttcttag ggggaaaaaa
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360ggggggagac ccc

373

<210> 2320<211> 377<212> DNA<213> Homo sapien

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240cttagctaat tgaataaaga actgaataaa tgattttaat tgaaatattg ccatggtaat
300gctagtgttg taataaagat gtggcatgtc aggaggaaaag tgcaaccgat atttgggtct
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377

<210> 2321<211> 377<212> DNA<213> Homo sapien

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120tccgtcttga agagaaaaaa aaaggtgggg gggctgggtt ggaatcataa acataaatat
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240atgggacctg gtattttaata ggttgtgggt gcaatcagca tggcctgagg gccaggaag
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377

<210> 2322<211> 373<212> DNA<213> Homo sapien

ttcgttgtc gtcgggggct gcccatcacc ttctattctg ctgggacag gttttcttag
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240aaggatgccc atctggacat ggagccgaca caggtagtca gggggccagc gggacgctta
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373

<210> 2323<211> 375<212> DNA<213> Homo sapien

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375

<210> 2324<211> 377<212> DNA<213> Homo sapien

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377

<210> 2325<211> 377<212> DNA<213> Homo sapien
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ttaatcg 377

<210> 2326<211> 368<212> DNA<213> Homo sapien
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120gacattggtt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac
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368

<210> 2327<211> 372<212> DNA<213> Homo sapien
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240ccacatggcc aataaaaagtg aggggctaca aggtgagatc caggggccag agttatcaaa
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372

<210> 2328<211> 150<212> DNA<213> Homo sapien
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60tttatattcg aacttttaac acagcttttg agttttgagt gacttgaatt ttaattctt
120nttttaatac gtagcttaaa tgaacatag
150

<210> 2329<211> 368<212> DNA<213> Homo sapien
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120ccatctttga gctgaaatct gtggctgctg gctgccctgt gttgctgggc aaagacaacc
180caagcccggt tccttcaagg gattctcaga aaccacttc cccactgcag tcagcaggag
240accatttgga agaagaacta gatctgttgc ttaattttaga tgcacctata aaagagggag
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360tccaagag
368

<210> 2330<211> 372<212> DNA<213> Homo sapien
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120ttctttcttg aacctcagag ctgtatgtcc aactgcctgc ttacttcagt atctccactt
180gaagatctta aattcatatc cgtttgccca aacctgaact catcgtcctc ctccaactgc
240tctaccaca gctttcccca tctcagttga aggcagcgcc atctccact cctatcgctc
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360ccatcatcca cn
372

<210> 2331<211> 367<212> DNA<213> Homo sapien
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120gacctgcagc ctaatttggg gtgtagggga agctctgctg gcccttgctc ctttgtatgt

180tgggtgactt taatggctgg ccacataccc ctttctccca gctactcatt cactgacttg
240ggtaagttct aagacagttc gcacttagaa aagaatgtga cacatcaaca ttaacttttc
300ctgaaaagaa gagtttgctt aacatggctc taaagaagct tggaaattat aagactttcc
360tttataa

367

<210> 2332<211> 367<212> DNA<213> Homo sapien

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120agggagtgcg atcccacggc agtgggcagt cctgtcccg c gagcccgcc ctcagtctga
180gtggtgctga cctctaactg tggacgccat gctccatcct cctgggtgggt ggcggcggg
240cggggggggg ggccatgctg ggcagccac acaagccact gtcacctgct gtcgccacct
300ggccgacctt gggtgattgg ggaatgctgt cagccccgca gccccctggt ccatagctgg
360ggcccg

367

<210> 2333<211> 364<212> DNA<213> Homo sapien

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120tttctcctaa tctatgactt tattgttttt tcttaggtta gtaatagcat ctttgatcct
180gtgcttagca tgttagggtc attatacctc aggaatagca agctgttaag taaccatact
240gaattaacta ttttaattaca gtgagctcat ctttataaaa ttgttcaggt gtaaatctta
300tgagaaacat gaaaaagcac actgatttat ggagagttga gctaaaaaca tttataaata
360tttg

364

<210> 2334<211> 366<212> DNA<213> Homo sapien

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60tttcagaaaa aatatagaga gggccttaga ctgcttaata gaggaagaa gtatcctgga
120aagcttgta agaacgttct agagccacaa catgattgta ggccaagggc ttgtttttgt
180gaccttgatc taagataatg ccatgggtga ttgtatgttg gaagaatctt tgattggaat
240ttggagtaat attaaggtag tttgtcttt ctgcagacat ttttaggagt ctttttgtgt
300gagtgggtgg ggagtgtata gttttgttga acctagttaa attctgaata tcttccact
360aaaagc

366

<210> 2335<211> 364<212> DNA<213> Homo sapien

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120aaaaaattcc ggggggcttt tcaaaaaaga tctttagggg gaaaaaatt ttttaacca
180agacccaaac ctaaaacccc caaaaggga aaccggacaa acttggcccc tggttttttg
240gggaaaaaca accttccggt taaaaaacca aatggggggc ggggggtttt ctgcccgga
300ccccaccat ttgggggggc aggggcaacc ccccttttg gcctaggagt gggaaacccc
360ccgg

364

<210> 2336<211> 147<212> DNA<213> Homo sapien

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60ccacaaatgg gcacatagtt taccttactt tttgaaaac catattaaga ttgagtcage
120actccatatg actgcttgat gaccacn

147

<210> 2337<211> 359<212> DNA<213> Homo sapien

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60gctagatgca agcagagcac atccccggt taaagcacta tgggtggcttc acagtgcgt
120tagaaaaaag agaaattctt tttatacaat ataagttcct gcagaatgca gacactttct
180acttctccag gctcttttca actcctctcc tactagcttc tgtatttaag ccacattaga
240cctttcttca gttttttata tagactttgt tgcacacac ctcagagatt ctgtgcatgt
300tcttctcct gcctagaaaag gatcgtccct ccactttcac caactaatcc cttctcacg
359

<210> 2338<211> 144<212> DNA<213> Homo sapien

tcattttgat aactagcttt ccaggtggac ttagccatag gaaaatatta ctaatgtaat

60ttaacaaatt gctgcatgta tttcatttaa aaatatgctt aaaatgtcct aaaacaaata
120attatctccc taagaggatg catt
144

<210> 2339<211> 342<212> DNA<213> Homo sapien
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60ttcttttagcc agagactcct tctaccacgc tcgccagcca cctttgtgca gtggagggtg
120agaatgcccc aaggatgcac gtaatggacc agcctttcca gcatttggct ttggctccca
180gaaattttga gctttggcaa atcttacaag ctctgtgagc ctctgtttcc ccatgttctc
240atattcagag gtgctgggct ggactccac tgccagtcc ctgagctgtg cagggactcc
300tgctctgcat ggtttgtttt ggtgctcatg ggaccataag tg
342

<210> 2340<211> 188<212> DNA<213> Homo sapien
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60cgcccttcac accaccaccg aggacagtgc aggggtgcac actgagttct aggccagtgg
120gtccctgact gctgcacatg gcacaggccg ttcccttccg gaccaggca ggctcagctc
180tggggagg
188

<210> 2341<211> 460<212> DNA<213> Homo sapien
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60ttgctgtcga aatgacttat ttatatggg atgatacaca taggttattt gcaaatacta
120cactatttta tatgagagac ttgagcattc gcagatttcg gtatccacgg gaggtcctgg
180aaccaatccc ctatggatac caagggactg ctatgtatta caaagccaca tgctttggaa
240ttacttcagt ggtccttcta ttttcattaa cactgatatc tagtttaata tgaaaaggaa
300cttgaaatct tgaaaattag aacatcgta ttttttcta cttgcaatgg aaaatctatt
360ttgctttttt gcttctagga aaatatctg attatgatat gtgatatgtt ggctactcaa
420agtcagaact ttccaaagta atcagtaaat tgaatcaaca
460

<210> 2342<211> 465<212> DNA<213> Homo sapien
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60ttcttcttct caatcttctc aatcacctgc cctagaatc tgagtggctc taacctagac
120ctcttctgctgg ccgagattta tacaatgtgg ttgttttcc ttatcttgac taatcttccc
180gaatcttaca ttgtgcctta atttgacat ctgcacctct aatgtctgcc tatattatct
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300gccttgggt caacacagga gaggtgattc caacgttaac aagtgggtca aggaaactgt
360cagctgttta ttttatttc aatctcttct gttaaactat aacacactga ttgagcaact
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465

<210> 2343<211> 466<212> DNA<213> Homo sapien
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60gggcttcac gaagagtctt ttcagatctt cagctccttg ctgcaggaga ggaggttctt
120ccgggactat tatgcactct tccccaggc cyaagacatc agcttgtgc agcaggcctc
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360ggagaactcg gaggaagagg agtgcattgg agcagcccg gctgtgggcc ctgccatgtg
420tggngtggaa ctggactctc tcctctccca agtgaaggac ctgctg
466

<210> 2344<211> 453<212> DNA<213> Homo sapien
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60gaagagaaaa agcaaagatc ttttatgcca ccagtggtt actttatgca caaaatttag
120tgcaattca aaaactccag catcttgtg ttgttttgc cggaaatgaa catttgtata
180atgagtggat aaaccattc ctcaaaagaa atggaggctt cgtggagctg cttttcataa
240tatatgacag cccctggatt aatgacgtgg atgtttttca gtggccttta tgagttagaa
300catacaggaa ttttctgtg gtggaggcaa gttgggtcaat gctgcatgat gagaggccat
360atttatgtaa tttcttagga acganttatg gaaaatcacc cagacaggca ctaatgaaca
420tttttgaaaa agattggaaa cgatagcgtt gtt

453

<210> 2345<211> 423<212> DNA<213> Homo sapien
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120ctggtagctc ttcctattct ttattctatt cgattccatt tctgtgattc ttttattacc
180actgatgttt tgcgatagtt aactatgata aatttaactg atcatgattt atctttataga
240gtattttaaat aatgtatgag tgaccaccca attccaacat taaaagtgtg atctgggccc
300ataattttata gtgaaattgt atcaaaacat agggaaactg tattactggc cattttgaaa
360atatgaaact tgagtattga aatatattcca acatggaatg gcagtattct aatttcagtt
420agt

423

<210> 2346<211> 425<212> DNA<213> Homo sapien
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60aatcttcagg tggtttttct tttctcttaa atgttaccac tttcctgcaa atttccatcc
120ttaatatgtt agactgttca tatagatata ttgtgtttac aacaaggaaa aaatgccacc
180atgtgctcag aacttttttg acaggtattt tgagaagagt tgcggaacat tctggtaatt
240tgtagagatc tgttggcatc tctgttccac aaactggaaa aaatcatttg taagtcttgc
300taattacttt tcttggagaa gaaaaaaat gctacagctg caacaaatgt atagttttca
360aaaagaaaca acttttttgc tccccagtt attcttagtt tccagccac gccttgcat
420agcgg

425

<210> 2347<211> 429<212> DNA<213> Homo sapien
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60tatctctgc ctgtatcttc ttgtccaaaa tgtgagtata cagaaatttt ctgtatattt
120caacttaaga ctttttttagc atctgtatag ttgtatttca atttgagacc tttctatgg
180gaagctcagt aatttttatt aaaagattgc cattgctatt catgtaaac atggaaaaaa
240aattgtgtag tgaagccaac agtggactta ggatgggatt gaatgttcag tatagtgtc
300tcacttagga gaatttgcag gagaagtgga tagttttattg ttttttctc gccatattc
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429

<210> 2348<211> 425<212> DNA<213> Homo sapien
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60gcacttcttt aatgtgttct ttctttatgt gattatttga ttaattctctg cctccccac
120tagactgtaa gtcacctgaa ggcaagaatc ctgtgcttat gtcgaatatt agctctccct
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240gtaccagtga catgcagtaa ctgctaagat agatgagcca tctgtatgct ctgacagtta
300cagactgaat aagttggaga ctctccctaaa ggggtggcatt tccccagggt aacaacgcaa
360agctcangtg tgggaagggt ccaggggcag ggggtgcaaag gggctgaggc tgaggggggt
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425

<210> 2349<211> 423<212> DNA<213> Homo sapien
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60tgcccttttc agtgactggc tccaggccat gtctaattgac cagctcgatt cctgtgacg
120ttcagagagc aagtgaaccc aaccaacaat gtcgtcatct aagccctgac ctagccagg
180gactcccatg ctgctgttgg ctccatctct ccacactgcc tctttctttt caacttttg
240cccttctttt cttaaagct attctcatat tgcttttatt tcttctctct tcacctcaa
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420aga

423

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60ttcatcaggc agattgggtt ttgtgcggc gtcctccacc gtttctcca ggacagcacc
120tagtcgtggc cggaggagtc tcagagctgt cagaaaagaat aagactgatt ttatgggaaa
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240caagatgatt tatggtaata agatataaaa ccaaggaaaa taacctaaag tctgaaaaag
300accagaatcg aagtttcctg attcatatct taatgttttg aaatttatat tccaggctgg
360gtgcagtggc ttgtgcctgt aatcccagca ctttgggagg ccgaggcggc cggattgcct
420gaagn

425

<210> 2351<211> 429<212> DNA<213> Homo sapien

ggcacgaggg acttcggtct ctgcggggac gtccacgtgc ggctgcgcca gcgcattcatc
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120acgctgggccc agcaagccag gggttgggtg gtgcgggtgc tgcctaacct gctgggtggtc
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240caggagatgc cccttgcca agagttgcca ctgctgaagc ttggggtgaa ttacctccg
300tccatcttca tcgctgggggt caattttgtg ctgcccggccc gggccaagct cattgcttca
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429

<210> 2352<211> 428<212> DNA<213> Homo sapien

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120attgtgccct ggagagttgt acacatgttg aaatgtaatc tgggcttacc tgatccattt
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428

<210> 2353<211> 432<212> DNA<213> Homo sapien

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360ggactctgtc caccggggcc ctcccagggc tgtgaggaca gaaacaggca gggagtggag
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432

<210> 2354<211> 437<212> DNA<213> Homo sapien

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437

<210> 2355<211> 431<212> DNA<213> Homo sapien

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300cctggggacc gngtgcacc gcttagctcg gccccattc taaggggctg gtttggcagg
360ggcttgacaa aacgcacaaa aaggaagaaa gtgacgtaat cacgtgctcg atgaaaacaa
420gttgacttt t

431

<210> 2356<211> 427<212> DNA<213> Homo sapien

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60taacgagctg aagaaaggac cagcgtgtt tctgttcata ccttttaatc ccctggccga
120aagtcatcct ttaatagacg agatcaccga agtggccttg gagtacaaca actgtcatgg
180ggaccaggtg gtggagcgtc tccttcagca cctgcggcgg gtggatgctc cagtgtctga
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420gtgcacg

427

<210> 2357<211> 427<212> DNA<213> Homo sapien

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120ccctcaaggt tttttgcttt tctcctgtgc acctggcgag gctgaaggcg aggggtggag
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420nctctgg

427

<210> 2358<211> 439<212> DNA<213> Homo sapien

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120ttgggggctg gaggaattcc aagaaggttg cagtggagga ccccgcaagg ggaccgcctt
180ctggggaaaag atggagcacg cagggtccag acaccagggt gtgtagggca ggggtgtggc
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300gtttcctgag tgtgcaaagc ttctctctcc ttccttgccg attcttccct ttaacgtga
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439

<210> 2359<211> 429<212> DNA<213> Homo sapien

acctaactgn nngnttgga gatatcctc gatataaatt cggcacgagg gatgctccat
60ccaaagtga tttatgcctac agacctggtg cctggatttt tgcccagat gattcctacc
120accttactac tgacgaagac acccattcca gtggaccact gtgaccagg aggcattcag
180ccatcatgat gtggccttta cctccactcc tgtctgttc taccagatt cagcacagcc
240ctttatagt aagacagagt cctcaagcca aatagctaaa gctgttttat cacaacaaag
300gcctagtttg ttccatgagt gtgcatttca tttcttcagt taaagccttc agagacacac
360aataaatttg gaccagggga ttttttagtt attaatgtc tctgaagaaa ggcaacatct
420ttttgagag

429

<210> 2360<211> 424<212> DNA<213> Homo sapien

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120gaagacgatc gtggccttcc acatcgtatt ctggtttcat aaatcaaacc aggagcaggt
180gcagcccggg gggccccccc gtggggagaa gcggctgggg ggtccctgca tcttgactg
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360gggcagcagg aagctgctca ggaagagccc ccgggagggg aggccgaacc agagcctcag
420gagg

424

<210> 2361<211> 415<212> DNA<213> Homo sapien

ggcacgagct ggggggaggc ctatagcaca gaggtctgt cctttgaggg tgactgaacc
60aacaggggaa agcgaggcat ggtgaaaata gccatggatg gccaggctgg tctcgaactc
120ctgacctcaa gtgatccacc cacttcggcc tcccaaagt ctgggtattac aggcgtgaac
180cacctcgccc tgcaggagt gattttaatt atgaaccatg attaaggaag gcaatgacca
240cttatgattg ggggtataac gtgtattctt tctaatact gtgccttggc tcttgcttac
300ttggatcaga gagcagagag aatccttcatt aaagaacaag gaaaaacagg tgaagttatt

360aaatttaactg atgtaaagga cttctcctta ccctgtggc ttatatttat catct
415

<210> 2362<211> 413<212> DNA<213> Homo sapien

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60gcctatacct tatttttagca tgagagcata atcttacact ttcattgctaa aataaggat
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180atgcttattt ttaaagaaaa aagttgcctc actgtcatga aatcctgtta ctttcattaa
240aaaaaaaaat cttgtaaaat gggttaattg gataatgtaa gacataatga aggctttgag
300gcatttcata ctttaccagt ttacatttgg ctaacatact ggtaaggatt agggttctct
360ccactattgg aaaatttaat gctaaacgtc ctaagaatta cgttgatttc aan
413

<210> 2363<211> 422<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagagt tagagataga gagagagaga gagagagaga
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120gagagagaga gagagagaga gagagagaga gtgagagtgt gagagacaga gagagattga
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300cttctctctc tctcgcgcgc gcgctccttt tttttgtgtg ctttctttgt tgggccccct
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420cc
422

<210> 2364<211> 414<212> DNA<213> Homo sapien

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120ttaaaagaaa tgggaaattg cctacggagc atattgcttt tcagatcata ggtatctttt
180ccaataactt tattgtaaat ttaaggagg tttcgttgga ccctagagcc ataccttcac
240tgacatctca tccgtttgtg tttccaaaag ctgcttttac aggtcttagc cgccgccccg
300gaggccggtg tgggcgtgac ctgcatgcgt ccaccctgcy gctacgggag aagtcttagt
360aacttggaac tggagtcttg aaaaacacaa accttataaa tgcattcttc ttg
414

<210> 2365<211> 405<212> DNA<213> Homo sapien

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120aaaaaaaaaa aaccttcggg ggcctgtttt ttcgtaaaac caaaactgaa aaaaaccctt
180ggggagttgg gacaaccccc cctaaaagg gggggaaaaa aaggcttttt ttggaaaatt
240ggggaagctt ttgttttttt tgaaaccctt aaaaccggga aaaaaaagt aaaaaacaa
300aatggctttt tttttatttt taaggttcag gggggggggg ggggaatgtt nnnnnncnc
360ccnccncann nnnntnccca acaaaaaatn cccaaaaaaa acccc
405

<210> 2366<211> 406<212> DNA<213> Homo sapien

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180aggctgatgg tataaaaaatc acatgaaatg cgcaatggcc tatttcttat tagaaacctt
240aaatggacat ataccaaatt atgagaatta taaatgtagc acaaaggata ggggtgagtc
300taaattctatt ctgtaaagat gaaagctctt attttctaaa tctattctat aaagatgaac
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406

<210> 2367<211> 406<212> DNA<213> Homo sapien

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60gcactgagtt tccatagaac tcaaaaacaa ttggttgatt tcaattaaaa aaaaaaagt
120attcaatata cagaaaatta ctcccctggt cagtactgtt agcccaaat aatctgaaaa
180aatgtgttct taaaaaaaaa acaattttgg aggccaggca tgggggttca tgctgtaat
240cccagcacat tgagaggtca agttgtgggc atcacttgag cccaggagt tgagaccagc
300ctggacaaca tggggaaacc ctatttctac aaaaaatac aaaatttacc cgggcatggg
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406

<210> 2368<211> 407<212> DNA<213> Homo sapien

nncccnanaa ttcttggtat tctgctgctg tgaatagggt tacttattct tttaacatat
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240gattatttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag
300catgaagtct atattataaa tctaacaac aaaagcactt gtaacttggt tagtaaattc
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407

<210> 2369<211> 407<212> DNA<213> Homo sapien

ggcagcagat ttcttggtat tctgctgctg ggaataggct tacttattct tttaacatat
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120acatcacaag gttaatattg gcttggtga aagaattatg cagtaaagtt atttataagg
180gaacatgatg actttattca atatttttct tctttgaaac atctcattac taacttttaa
240gattatttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag
300catgaagtct atattataaa tctaacaac aaaagcactt gtaacttggt tagtaaattc
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407

<210> 2370<211> 407<212> DNA<213> Homo sapien

ggcagcagac aattccgggg taaattaatt tcttagaaat gtttcagaga ataatacttt
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120aagaaaatag agatcagaga aatcaaagat tattattaaa ttacatttct tttggtattc
180cctgagattt ctcatgtatg cactacttgt attcattcat ttattcatca aatacaatat
240ttatctaaaa cctgctatga ccaagactgg gtgaggaact ggagacatag ctattaaaaa
300aaatagtatt tatatttata aatgatgaaa caaaaagaaa aaatagaagg tgaatcggtg
360ggtaaaaaga gacaaatagac taccagccaa tctcaatgtg tgaaccn

407

<210> 2371<211> 422<212> DNA<213> Homo sapien

nnnnnnnctt taatcccagc actttgggag gctgttgctg atggatcgcc tgaggttggg
60agttcagac cagcctggcc agcatggtga aacctgtct ctactaaaaa taaaaaatt
120agccaggtgt ggtggcgac acctgtagtc ccagctactc gggaggctga ggcaggagaa
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300atataatgaa atatattttg aacttaaatt atattctata tgtgtatctt ctaggcaaaa
360agctgtaatt tccagagaga ccattaggaa caggtagcat ctatttttct ccattattta
420tt

422

<210> 2372<211> 168<212> DNA<213> Homo sapien

taaaggactt aaacacctat gcgcgatgat aaagagggtg ctattatagc gcttgaaaaa
60taccaggaag ttgagagagt taacagaagg gcgcacgctg gattggccac aaaatcgaat
120tactgaggcc actactgatt aggacactta tggagaacgt gggtagca

168

<210> 2373<211> 410<212> DNA<213> Homo sapien

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120ttctctgggc tatctaaaat aatcaggtac tagacaaaa aatgacatgc tgtctgcctt
180accttttagt gatgatttgt aggaagagga aggtaggggc tggtagtgga aaaagtagta
240gaggttgtga gggaatgttc tgtatgtctg aagacaaagt ctggagattg gtgggccaga
300aggtgtgaat ctactctgaa ggacaggcaa gagtccagcc cagggaaaaa ggtgcagatg
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410

<210> 2374<211> 422<212> DNA<213> Homo sapien

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120gattttggag gcagaccgcc tgggatttaa aactttgctc tactactttc gagccatgtg

180atcaagctaa tgaaacttta aaaaccttac tttctttaat aagtaaaaaa tgaaaaataa
240tacctgctct tgagattgct aagattaatg aaagaacgta tgagtctgtc aaatgtcctg
300gtccacagaa gggactcaat gactgtgttc ctttgttct tgctaggatg tgcattagg
360tacagtgtag ccacttgata gcatctgaag ggatcattac cttgctatat ccaacaaatg
420tg

422

<210> 2375<211> 406<212> DNA<213> Homo sapien

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120attcaaacag agccttttct gtctgtaga taatctacat gttttagaa ttattttgaa
180tatgtttgag gaaaatgttt aaaatctaaa tatactcaca taacttgatt attcactcct
240ctgaaaagat gctggatagg ctaccaaagt tcccaagtgg tagataattc agaagacttg
300tttgaatttg gatttttttt ttttttgag gggggaaggg tataaggggg gctaaaaatt
360tgaatcctta ttatttttat ttacgggaga atttacacca tctccg

406

<210> 2376<211> 420<212> DNA<213> Homo sapien

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120gaacatgacc taatttaaca ggtaatttg aagtgcattt gccaaagtaga agaccagcaa
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240ttgcccacaa ggaggaaact atacgacctg ctgcctttct tagggcctta ttattcaccg
300ataacctgtt tccttgctac tttgcttttg tgtaagcaga gttctttctg taggtttttt
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420

<210> 2377<211> 420<212> DNA<213> Homo sapien

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60ttgataagca gaattacta ctggccagag cgacaggagt ggctaggggt tggcagccag
120tcccttttctg atgatcaagg cctgcacag caggatgcc aaggatgcc ctgccatcta
180gctggaagca tcaaaagtcc ctctgtatga cccggtgtgg gaaagaggggt tgcaggatg
240agaaagtggg gctgcagggt gacgataaga ccacctaac aactccccac ctccaccacc
300acaataagaa caaaactgta gggctctaaa gagaggggggt gggttacaag ttatttgagc
360atttactagg aagtgcacat gcgatgacct ctglacatga gttaggttca ctttcattgtg
420

<210> 2378<211> 411<212> DNA<213> Homo sapien

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240tttttggcac cgaaagtgtg atgaactata ctttttaaga attgctagct ttgtttttct
300cttataatct aaagggaaat atgtccactt gaactgaaac aactaagcac aatatataga
360acttttactt cccactcttt tgtacttagg tcagngatgt tgcaatatct n
411

<210> 2379<211> 409<212> DNA<213> Homo sapien

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240agtggcacat gctcattaaa gatttggaaa aatgaaagtc aaaacaaca aatcaccctg
300agtcccaacc ttctgtaaca taaccactct tggcattggc gtgttccttt ctagtctctc
360tgtaaacggn gtgtgtgagt gtgtgggttt aactntgggt ggcctcatg
409

<210> 2380<211> 411<212> DNA<213> Homo sapien

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120gtgttgatcc ctttaccctt tacattgtgt aatttgaaag tggcaaacaa acctgcagta
180aaagtccttg attggcatct tcattcggat gatggagagc ctttgtggta gtgtttgctt

240atgtgaacag caggcctttc agataagaga agtgggctttt ccttgggtgat gaaggggtag
300agattgagcc atggggatgg tttagggttaa agaattgcttt tttttggcca tcatgaggat
360ctaacaacag agtagaagga aggatgccct aggtcagcat gcaggggtggg g

411

<210> 2381<211> 417<212> DNA<213> Homo sapien

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60cccatgaaaa ctttaataat ggtagatata taaaacatga gtaattacc cccaaaatgt
120ttcagttttt tcattgttat attgccccaa accattcttg ctatatatat ttttaaaaga
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240ctttaattat cttcaaagta tgatgaattt ttcattgtgt gaattgtgtg tctgataatt
300tttttaggaaa caacactcca ctagagagcg tagaatctta gaattcatct acttcattct
360cctcctggta ctctactttc ttctacaacg tcccagccga gctgaggtct gagctgt

417

<210> 2382<211> 410<212> DNA<213> Homo sapien

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240tgctataaag ggctgggtgg ctttcttccc cacagctact cagcctaag ccattgcaga
300gcacatgtag ccatggacaa cacaaggggc gtatccgtgt tccaggacag ccatattgac
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410

<210> 2383<211> 414<212> DNA<213> Homo sapien

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414

<210> 2384<211> 416<212> DNA<213> Homo sapien

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120agtgggggag ccacagttcc agcccagggtg tctactgggccc ctgcctgccc cagccagctc
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240ccgggacctt caggacttcc tggggtttac cctcagagca cccatgaggt tagaatcaca
300aagccccgga gtcaggagac acagggcagc tggagggagg tctttactga ggctactgag
360gcacagcagc cccgtctaga ggcctccccg agaggcactt cctgaggagt ctgggtg

416

<210> 2385<211> 405<212> DNA<213> Homo sapien

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240aagatgagtg cttttatgcc catagtcttg tggaaactgaa agtctggata atgcaaaatg
300aaacagggtat ctacatgat gctattgtc aagagtctaa acgatattgg cagaatttgg
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405

<210> 2386<211> 416<212> DNA<213> Homo sapien

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300ctgctgagga gttcagagag cttaaagacc aggatggagg gggagatgat aaaagggag

360agggcagcct gacgatcaca aatattccca agctcanagc atcgtggaga cagctg
416

<210> 2387<211> 411<212> DNA<213> Homo sapien

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300tcacccaaag ggcacactgc agagtctca gtgtcttctc cgtcatccca tcggcagctc
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411

<210> 2388<211> 411<212> DNA<213> Homo sapien

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300tgacacctat caagtatgat gtgaatctga ttctgacagc tgtcactgga agcgtcgggtg
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411

<210> 2389<211> 417<212> DNA<213> Homo sapien

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300ctgggaagat gcaggaggaa gtagggtgagc tgaggggaag ctggtgggga taggcctggt
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417

<210> 2390<211> 413<212> DNA<213> Homo sapien

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240aaaccctcct gtgcgtcctt ccttcagcct ggtcctgagg gtgacccttt gatcctgggt
300tctccaggta gggctgtgag ctgtgagttg gatccttttg gtgaaatggc ctctctcatc
360tggcctgtca ctcaatgtgg aatagagtga gtgagttcta tgggttctaa gtc

413

<210> 2391<211> 407<212> DNA<213> Homo sapien

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120ccccgttgac tgaccgtac cgcagggcct gccagagcct ggggcaaggg gagcaccac
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300gggagctgcg cctggcaggg aaccggctgg gggacaagtg tgtggctgag ctgggggctg
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407

<210> 2392<211> 405<212> DNA<213> Homo sapien

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240atgttaaaga gataaagtga tcgagacaag gactgactgg gtatagaagg aagacagact
300cctgtcttca ctctaaatg cagttctttg gaatcaccct actgtgggtgg gcgtagtagg
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405

<210> 2393<211> 411<212> DNA<213> Homo sapien

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300ggagaaccag atgaaagagc gccaaaggcct cttctttgac atggaggcct attgcctaa
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411

<210> 2394<211> 411<212> DNA<213> Homo sapien

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120cctagaaatc aatgacccaa acgtcatttc acaagaggaa gcagatagtc cttcagatag
180tggacagggc agctatgaaa caattggacc cttgagtga ggagattcag atgaagagat
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300ggacacaaat gtctctccag agaaaactac ctatgacagt gccgaggagg aaaataaaga
360gaatttatat gctgggaaaa atacaaaaat caaaaggatt tacaaaactg t

411

<210> 2395<211> 406<212> DNA<213> Homo sapien

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120cctagaaatc aatgacccaa acgtcatttc acaagaggaa gcagatagtc cttcagatag
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240atttctaagt aagaagttga aaaacaggaa ggttctacaa gacagtgatt ccgaaacaga
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360gaatttatat gctgggaaaa atacaaaaat caaaaggatt tacaaa

406

<210> 2396<211> 415<212> DNA<213> Homo sapien

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120ccgggtgctt tttaaagctt ttagcctgcc tagcaagga caaagcatgt tagattaaag
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240aggattcttt caaggacctg cacagcctcc tgatggagat ccaggctctg cgttgcaac
300tagaaaggag catcgaaacc agcagcactc tgcatagcag gctcaaggaa caactggcaa
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415

<210> 2397<211> 407<212> DNA<213> Homo sapien

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120ttcaagtgtc gagtccctggg gacattcgat acatcttcac agccacacct gccaaggact
180ttgggtggtat ctttcacaca aggtatgagc agattcacct tgtccccgct gaacctccag
240aggcctgcgg ggaactcagc aacggtttct tcatccagga ccagattgct ctggtggaga
300gggggggctg ctccctctc tccaagactc ggggtgtcca ggagcacggc gggcgggcgg
360tgatcatctc tgacaacgca gttgacaatg acagcttcta cgtggag

407

<210> 2398<211> 409<212> DNA<213> Homo sapien

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120gtggtcttcc caagaacccc tggtgccctc ccaaggccgg tgctgtgtac ctctccccg
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240gccgctggtg cagtggctcc tcccctctgc cggggtgggc ccctcgggtt tcgctgttcc
300tcgggaaaga gactggcggc accctgatct gcactccctg aggggctccc actgtccgcg
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409

<210> 2399<211> 410<212> DNA<213> Homo sapien

ggcacgagcc agacatgatg aagtacattg agacagagct aaagaagagg aaagggatcg

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120cagaaaaacat ccgtgtttcc tcagcaaaga agaccgagga gatgctttcc aaccagatgc
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240cggaggatgc caaggcccggt ctgctggcag agcagcagaa caagaagaaa gacagcgaga
300cttccttcgt gcctaccaac atggctgtga attatgtgca gcacaacaga ttttatcatg
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410

<210> 2400<211> 412<212> DNA<213> Homo sapien

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60aaagaaagat gcgtgttgaa aagagaaaaa agaatgcccc aaaggaggcc agcaggctta
120aaagtattct caaactagac ggtgatgttt taatgaaaga tgttcaagag atagcaactg
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240aagatgacat gaaaatggag actgatatta agagaaacaa aaagactctt ctgaccagc
300atggacagta cccaatatgg atgaacccaa ggcaagaaa aaggctgaag gcaagcgag
360agaaaagaaa ggggaaaagc aaagcataag cagtgaaggt ggcaagggt tt
412

<210> 2401<211> 405<212> DNA<213> Homo sapien

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120agaccccgcc ttctcgggtc tgcagaggggt cggggcggtt gacgtgtcct tcgtgaaagg
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405

<210> 2402<211> 421<212> DNA<213> Homo sapien

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120atatgtatg gactatttaa aggaatttga gcagttaaac aggaggctaa atgaagtctc
180taagagagtt cgcataccct tgcctgtgtc taatatactt tgggaacatt gtatacgatt
240ggctaattga actattgtag aaggatatgc caatgtcaag aaatgcagta atgaggtcgt
300tgccctgatg caattggatt ttcaacagtt tttaatgaaa ctgaaaaaac taacagatat
360tagaccatt cctgataaag aatttgtaga aacttatatt anagcttatt acctaaactga
420g
421

<210> 2403<211> 408<212> DNA<213> Homo sapien

ccatcgattc gaattccgtt gctgtcgaga gaagccatga ataatcaacc agctggtttt
60agagaaggca tcaactcgtg aggaaaaggc ttagtttctg gatttggttag tggcataaca
120ggaattgtta caaaaccaat caaaggagct caaaaaggag gagcagctgg tttcttttaa
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240gctagcagta ctttcagggt gataaaaaga gctacagaga cttctgaagt ggagagtctg
300cgacctcctc ggttcttcaa tgaagatgga gttatcagac cgtacaggtt gagggatggg
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408

<210> 2404<211> 411<212> DNA<213> Homo sapien

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120aattactgcc tgacgtgcgg cagtgcacaa acgctgaagc tgtggaaccc gcttcggggg
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411

<210> 2405<211> 397<212> DNA<213> Homo sapien

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60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag

120agagagcgcg cgcgcgcgct ctctagagtg tgttttctct ctcccgctca tttagcctcc
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240tgcgacacaca cacgcgagag tctctgtttt tttttgcac gcgctctcgc cctctgtct
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360atgtgtctat gtgtttgcgc gctatattat agagctc
397
<210> 2406<211> 402<212> DNA<213> Homo sapien
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60ggtacaaaaa ttagctgggt gtggtggtgc acacctgtaa tcccagccac ttgggagact
120gaggcaggag aatcacgtga acatgggagg cggagggttg ggtgagctga gatcacgcca
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240tttttgtgaa ggggtttttt ttttttcgaa aaaaatgttt gggggacctt ccgagagctc
300acaaattttg atgaacgtta aaaagcctag tttgaggcgg ggcggggggg ttatgcgcat
360gtccccaccc tttttggagg ccaagggggt ggaaccacc ca
402
<210> 2407<211> 390<212> DNA<213> Homo sapien
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120gtctcaaaaa aaaaataaat aataaaaaat aaaacagcaa ctcttgaga ttccccgaat
180gtattggtcc cagagaacac tgaaaaaat gtcattgttg taacaccagt gggagtttgg
240gaaataattc cagctcttta atactcttc cagcttcaga ttaagtgaat tgagtttcac
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360acatctgtga gatagtgggc aatgctactg
390
<210> 2408<211> 392<212> DNA<213> Homo sapien
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120agaaaaataa tcacctagaa actataaata gaaatgtgct gctgaggctg ggcacgggtg
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360aattgctga acccaggcgg cagagcttg an
392
<210> 2409<211> 385<212> DNA<213> Homo sapien
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120aacaacaac attgcgaaaa gtcaacctgt cactctttag gaaagtttgc ggcattgaaa
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385
<210> 2410<211> 404<212> DNA<213> Homo sapien
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120gttcatgacc tagcgattgc tggtaagta atattggaat tttggtacca tgagaagact
180tataaaggat ttcacagaa gttttcattt tttctaaatc ctccctact caattttcac
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404
<210> 2411<211> 403<212> DNA<213> Homo sapien
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120agtttccgtt ttgcaaggcc taggtgactt tttcatggtg tttgtatgt tagctctttt
180gaaaaggaa tttgaaatct ccatcaactg aagtaaatga tgtctgagt ttacagtaaa

240gggtgaccaag tctcttttctt aaagtcacaa tgactaaagt attagttgaa tttttttttt
300ttttttgagg gagcctcgct ttgtccccag gctggagggc agaaccacaa tcacgggtca
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403

<210> 2412<211> 386<212> DNA<213> Homo sapien

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120ctccagaaat gtgcaggatg tgcattagca aattgcaactg tacttttcac tccagcctgg
180gggacagagc aagactcccg tctcgggggc ttaaaaaaaaa aaaaatgctg tttctaaagg
240aatctgagta tcttggggccc aaatgtgggt ttgtctcaat ttatttaaaa agggcctgtt
300tcaaacgaat agggggcccta taggcaaacg ccttatatctt tttaaaacga attttctgga
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386

<210> 2413<211> 404<212> DNA<213> Homo sapien

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60ttggtatctt ttacaaaatg ttatacttta tggatataaa ggtgataaag attggaaata
120aatcttctaa atatgtaaaa tgaaagcaac agcaacagca aacacaatta tctgattctt
180tgggagtaac aaatactgggt tttcatttta aaactaagga aaattttatc agtacttaaa
240ttcaatccaa aaaagggtttt ataacaccca aactgtacat ttaaaattat gctttcttaa
300ggtaaatggct agcattacct agttttagt tttcttgagc tgtaactttt tataactgaa
360tcatttcagt gatttagggc tgtctcgtag ttggggaaga gaaa

404

<210> 2414<211> 388<212> DNA<213> Homo sapien

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120cttgagtctt ctgagcttgg ggcatgcacc tcagggggag ccagcatcag tgtccagccc
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360gggccatgat ggggagaaaag tttggccc

388

<210> 2415<211> 389<212> DNA<213> Homo sapien

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60atatagccta cactgcagag actcaatata ataaagggtg cgattcttcc taattatcag
120atttactgca attccagcca aaatgtttca ggggattttt ttgttcgttg ttattgcttt
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240gcagcacgaa aaatttcgaa tctatttgta gaaactgcat atgatgatgg ttcatactca
300gagagagaaa gattggattt ggtgggtatta ctagaagttc agggactcac taatagtcag
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389

<210> 2416<211> 398<212> DNA<213> Homo sapien

ggcacgagag ggaatcccc caactcataa attataaaaa tgacacttcc aagccatcaa
60tgaaggaagt gtcatcatta aagtggtagt gcaatataac aaagtgttta caaacaaaac
120accatccaac ataccccca atgtctcttt ttggttgta tacagttga aaaaagccta
180cagttagcta tcaattcctt acagcaatga agtactaagc taaacaatgc attcagaat
240ttcttaggcc aaatcctgac agtataccaa ctacgagttg gtaaacactg tttttaatcc
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360tatttacact caatatgagt tcgacacagt agtataan

398

<210> 2417<211> 388<212> DNA<213> Homo sapien

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60ttgtaattcc taaaactaga ctaaatttta tgtacatag tattcattca tttctttatt
120ttagtttgtt gatttaagaa tattccaca agttaacaa tgaaagtgat agttatatta
180cagatatgaa tgactaatta ttcctgcccc ccacctacat ctttttcccc ccagcttaat
240ggagggtttta ttgacaaaca aaaattatat atacttgcac ccagtcataa aaaagaatga
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360acaggaacag aaaaccaaact actgcatg

388

<210> 2418<211> 387<212> DNA<213> Homo sapien

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120taaaattgaaa cttaagtttag tcttcaggct ttttaagggt ttcaaatttg aactggaatg
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387

<210> 2419<211> 385<212> DNA<213> Homo sapien

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120tttccagcat tgtaaatgac agcaggaaat actcaatggg ccacaggaaa taattaacat
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385

<210> 2420<211> 389<212> DNA<213> Homo sapien

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120agtagattat gtccgaagca gttgacctaa aaactgcctt ggactgacat ttgttaggtg
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240catccctctg gtgtgttttg ttttttagcc accaaaaatt taacaaattt gataacctgt
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389

<210> 2421<211> 161<212> DNA<213> Homo sapien

gaatgttccg gtcggtcttc agcataagct gaaatatatg catgtaaaaa ctttgacatc
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161

<210> 2422<211> 397<212> DNA<213> Homo sapien

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240ggccttttgg gcaaacggaa cgggaccggt aaaaacccca ttggactttc caaaaatggg
300caaagaattt ccctaaaaaa aatcttcttt ccaagggttt ttaaatggg ggccccttaa
360aattataccc tttttttaat taaaaagcgt tcacttt

397

<210> 2423<211> 404<212> DNA<213> Homo sapien

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300cttgtgtaag attattattt cttctctata acttcaaaat agatatttca ttcaaactgt
360tcaggtgaga aacataatg gatttttttt ttttctctct ggag

404

<210> 2424<211> 399<212> DNA<213> Homo sapien

ggcacggagg agagagagag agagagagag tgagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag
120agagagagag agatagagag agagagagag agagagagag agagagacac acctctctct

180ctctccccct ctctgtgtct atatcgcgcg cgcaccccc tgtgtgtgtg tgtgtcttcc
240ccctgcgaca ctctctgtgt gctctctctc tcacacactt ccccccccc cactcttttt
300ttttttttta tacgtgttct ctttctcaat aatatatcct ttgtctgtgt gtctctctct
360ctccagacag cgctctctct cttttttaca caccctccg

399

<210> 2425<211> 389<212> DNA<213> Homo sapien

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60tgggggatgat ataaagaggt ggcgtgtgca tgtctgtgtg tctgtgtgtg ggcgaacatg
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180acttggcacg cagtgggggc tcagagcaca gggcgactga tggcctgggg ttgcagccct
240gctccgtgtg tccctgggca cttgcttact gaccacccca caggtgaaca cgggcaggtg
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360gttatggggg ctggaggggg cttttattg

389

<210> 2426<211> 387<212> DNA<213> Homo sapien

cgttgctgtc ggagacctgt aatctcagct actcgggagg ctgagggagg agagaggett
60gagccaggga gctggaggtt gcagtgaacc gagattgcgc cactgcactc cagcctgggc
120gactgagtgg agcggaaactc tgtctccaaa aaaaaaaaaa aggggttttt ttaaaataac
180cacttttggg aagggtaggg gaaggtaagg ggggcccaca aacaactttg ttttttaaa
240tataggcggg aagggaaaaa aatggaattt ccttgttttt tcccaaaaaa gacaaccccc
300caatttggca gggctaaaaa ccattcccgc cctttgaaa aaaagaaaac ttcaactttg
360ggtttttttt ggaaccaggg aaacccg

387

<210> 2427<211> 385<212> DNA<213> Homo sapien

cgttgctgtc gaaaaaaagg gggagttcat tgttgagtat gaatttaaag taaccagact
60gccttttgtc cagtggctgt cagtaattta cttcagcagg catttttttt ttttgggggt
120ggtccaataa aaacagaacc tttttggaag aaaggccctt ccagggggga ggcattccga
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240cataagaaaa acggtgaagg ggttttgttt acttttaaaa ccgcacacac acacccacac
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385

<210> 2428<211> 387<212> DNA<213> Homo sapien

ggcacgagcc ctttgagatt tctggctttt tgtaggacc tcagttccat tttcccaact
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120caccactacc tgacccactg gagtcaccac accaccttac ccactttccc agggatgctt
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240gacacctggg agtttccttt tctttcttgt aagatcagca ttacacaaac aagcacattt
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360tgtagatcat tgttttgtcg gaactgc

387

<210> 2429<211> 388<212> DNA<213> Homo sapien

ggcacgagga aagggtctctc tgttcctcac actcagcttc agcataagct gtgaggccag
60aaaaaaggtc agctcttcta gtatcgtgca gtgcttaaaa accgggagct ccagccgggc
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240aaccatcctg acccgccagt gctcttggtc tcctgagtgt acccaggtcc tcccaagtgc
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360ctgtgagccc ctatgcgga ggcccagg

388

<210> 2430<211> 390<212> DNA<213> Homo sapien

ggcacgagag atattttatc tctttattt gggacgcttg tttcttcagc tcagtttaac
60tactgctttg acgtggactg gctcgtaaaa cagtatccac cagagttcag gaagaagcca
120atcctgcttg tgcattggtg taagcgagag gctaaggctc acctccatgc ccaggccaag
180ccttacgaga acatctctct ctgccaggaa aatgatgctg ctgctctatg aagaaggcct
240ccgggttgtc atacacacct ccaacctcat ccattgctgac tggcaccaga aaactcaagg

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360gccaacacat tttaaagctg atctcatcag

390

<210> 2431<211> 395<212> DNA<213> Homo sapien

gaaaaacagt agccctccta ccctgccttt accccacttt ccttgccctca cagtagtctg
60tgccaactct tggctgattt gtttgtattt acctccatgt ctcaatatga acatgttttc
120atgactattc cttgatgggt ttttgtttgc ttgttttaag acggtctcac tcttccccag
180gcgggagtg aatggcacaa tcatggctca ctgcagcctc aaccttctcg ggctcgggtg
240attctccac ctccagcctcc tgagtggcta gaaatgctgg tgcacaccac catgcctagc
300tagtttttgt attttttcta gagacagggt tttgccatgt tgcccaagct ggtcttgaac
360tcgggggctc aagtgatctg cccgcctcgg cctgg

395

<210> 2432<211> 390<212> DNA<213> Homo sapien

gcagccctgg ccctgcggca cgccttcacc tacaaggctt atgctgacaa gaggctggac
60gcacaaggag ctctgtgct ctaagcaacc aagaggaagc atcgaagggt cagcatcact
120ggctctgtgc gccatctccc ctccacctca taccctgtgc aatagctggt gatgtgact
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240ccccctcgcca aaaaacatag tccaggatac actttattct ctgtggaaaa agaaagaatt
300tgactttatt tagaaaggct actgaatata gaagacgata actcgttgc tgtaagtcag
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390

<210> 2433<211> 388<212> DNA<213> Homo sapien

cgttgctgct ggtgtttcat aacattttta taagtgtgtt aaactttagt cccattatat
60acttttgggg acagtgttat aaatcagaat tttacgacag ttgcagaac actgatttga
120aagcttcccta tgcaaaatga gaagggttc aaatatatta attatcatta agtataaat
180aataggcatt agatgtctaa tgtagtata atttcatcca agccatctca gaaagtctaa
240aagggttgga gggggtcagc tgaagacctc actggagtgg gtcttaattt taaaaagtg
300tctcactaca cttaagacat gtgacacatt cccattggta acaattgctc accatggcat
360tgtctcaaaa aagactatgg tggggagg

388

<210> 2434<211> 391<212> DNA<213> Homo sapien

cgttgctgct gcaggagagc cgctggaagc agtacctgga ggacgagagg atcgcgcttt
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120tgagagagaga tcgattgaaa tacgaatccc agaaatctaa atccagcagc gtggctgtgc
180gaaacgactt tggcttttcc tctcctgtcc caggaactgg cgacgccaac cccgctgtgt
240ctgaagatgc cttattcagg gacaagctga aacacatggg aaagtccacc cggaggaaac
300tggttgaaact tgcccagacc ttctcagaga agacaaaat gaggaagtca aagaggaaac
360acttggtgaa gcattcagtcg ctgggggctg c

391

<210> 2435<211> 404<212> DNA<213> Homo sapien

cgttgctgct gcttttttcc atttagaaaa ttatgtatat cacatctcta atgggggtgg
60ttttcaaagt tatttgaaca ttccagtggt tagggagctc ctgctttaca aggcaaccat
120tatatttttc aaaaactctt aagtcttaca aagttatctc ataagaacag ccctaatttc
180ttctttccac cactttgtaa acagtaatat actttaaaat gtgtaacatt tagcaacttg
240tagctctgca tgcagtaaaa ttcaacattt tctgaattaa ttttactgt gttatgctga
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404

<210> 2436<211> 393<212> DNA<213> Homo sapien

cgttgctgct gagaaaagg gctctgctga cctgccacct tcgctgtgat gagtttctgt
60gtagcagggg cagcgaggca cggtttggat gaggacaaga tgtttgttac cctacaacca
120gggaggggtgt cgggtgacac cctgggctca gaccccgctc tcagcaccgc tctccaccg
180tgggctgcca cagaagctac aaggcaccgg gtcaaggcca agcaaatgaa acacgtaagt
240atagctctgt ctttctaatt tccccctatt agaagaaaga acgtgaaata attctttatg
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360tcccttcagg aagtagagaa gccgggtgct tgg

393

<210> 2437<211> 389<212> DNA<213> Homo sapien

cgttgctgtc gtttagacgc atcacgattt tgccccgatt cccaacgtgg agaaaccaac
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120catcgtccct gtaccttcca aagccactgt cctccacac ctgggcaaca gtggcctcaa
180ccccaggccc agccctcctg caggaaggaa gaggactgaa tggagggcgt ggcaggatga
240aaggacgtgg cctcctcaaa cccattggta aagggcctct ggggccacct ggctaagagg
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389

<210> 2438<211> 387<212> DNA<213> Homo sapien

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60atcattgtct atctggcata agaaagtgtg gcagcacctt taagcttaaa agtgaagtca
120acaagcatga aacagccctt gaaatgcaga atccaaattt gaacaataaa gaatgttgtt
180tcacctttac gttgaatgga aactccagaa aattagaccg tagtgtgttt acagcatatg
240gtaaacccag cgagagtatc tactcagccc tgagtgtctaa tgactatttc agtgaaagga
300taagaatca gtttaataag aacattattg tttatgaaga aaagacaata gatggacata
360taaatattag aatgcctctc aagtgcg

387

<210> 2439<211> 391<212> DNA<213> Homo sapien

ggcacgagac taggcaagtt gctttggcat atatcattct cattaataaa acagacttgg
60ttccagaaga agatgtaaaag aaattaagaa cgacaattag atccataaat ggactaggac
120aaatcttaca aacacaaaaga tcaaggctca gcagctgata gactcagcaa caggcagcca
180ggagctctga ggctcacagc tggcagtcta gtccactca gtctctactt gagaaattct
240ttctttggaa gtacagcaga ggccttagag ctgatctctc taatgtatta gatcttcag
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391

<210> 2440<211> 402<212> DNA<213> Homo sapien

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60tgraccatat gcagtaacac atgtttgagg tacagaattg aagctgattt ttctgcaaaa
120gatgaatttc tataaacaat cccattttta tttttatta ttaaaacaaa aatacctctc
180tttgctagag agtatatgta tgacttaaat tattagctat ggtttgcatt tagtacatgg
240cagattgcct gtaagtctgt tcattttaac aacatacggg gctgggcacg gtggctcagc
300cctgtaatcc cagcactttg ggaggttgcg ggtggatcac ttgaggtcag gagttcgaga
360ccagcctggc caacatggca aaaccccgct tctatgaaaa at

402

<210> 2441<211> 387<212> DNA<213> Homo sapien

ggcacgaggg gaagaggtgc aggagaagct gtgtttttta tctccacacg cagtatgaag
60ataaaattac atagtattac ctacacatag acagtattac ctaggtagat gcactgtctc
120cctgcgcctt tcccagctct cttttttgtt aggtgatttg ggatagggat agtgttttgg
180ggatggggg gagtggtctc tgctgtctt gcgtacgtgc atgcgcgccc ctgctgggtg
240gcgcggggcc cctgcccttt ttcttgctcg tgccggacgg gaccgggttag gcctcggagg
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387

<210> 2442<211> 391<212> DNA<213> Homo sapien

ggcacgagga aggcagcagg atggcagtgg ccagtggggg caggctgggc catctccctc
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120ccgcttctct gctccatgga agccaacagt ttccaccggc gggagacctg gcacagacct
180actgtggaca gacctgaca gtgcctccac ctctgcagg cctccatggg ggctgcccc
240ctcctcagcc tctgggctcc cgggcccggc cagatgggac agctccacag ggccctcgcc
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360cctcttctc tcgtgtctgg cttcgacccc t

391

<210> 2443<211> 404<212> DNA<213> Homo sapien

ggcacgagggc tcactgggag gtgcagctct ttctcctctt cctctaggaa ttccagaccg
60accatctacc atgactaaca acaatgaaca aagggttag gggcaagagc tacctgcaaa
120gacgtgtcat ggaacccttc accatgcaat gccttgaact cagctctggc tgctcccaag
180aaaaggtggc tggctggggg cctggacaca agcacaatgg ggctgggtga gccactgtgc
240agagctactt gaataatcac tgggttttca tcaactcctt ttgtcatata gaccactcaa
300gggtgaagt gttggtaacc ttcatttcgg tgccaaagcc tcacagcagg tgagccaccc
360tgagatgctt gtggccacat ggtggccaca gtcagagctt tgaa
404

<210> 2444<211> 395<212> DNA<213> Homo sapien
cggtgctgtc gcaagactgg acactggtaa cagtatgact aaatatactg agaagctcga
60agagattaag aaaaattata gatacaaaaa agatgagctt ttcaagagac taaaagtac
120aactttttgcc cagctgatca tccaagttgc ttccctctct gatcaaacac tggaaagtac
180agctgaggag attcaaaggc tggaaagaca tgattctgca gcttcagacc ctgatgtga
240aaccactgcc aggaccaatg ggaaaggaaa tccaggtgag cagtcgcca gccctgagca
300gttcataaac aacgcaggag caggggactc cagccgctca actcttcaga gtgtcatcag
360tgggtgttggg gaactggatc tagacaaagg gccag
395

<210> 2445<211> 393<212> DNA<213> Homo sapien
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60tacatcgctg gtcatacac cactcaacac acctgacct tccaccaagc tgagcacaga
120agctgacaca gacactccca agaaactaat gtttcgcaga ctgaaaatta taagtgaana
180tagcatggac agtgcaatct ctgatgcaac cagtgaagta gaaggcaagg atggcaagaa
240ggatcttgat caattagaaa atgtccctgt agaggaagag gaagaattgc agtcacaaca
300gctactccca caacagctgc ctgaatgcaa agttgatagt gaaaccaaca tagaagctag
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393

<210> 2446<211> 404<212> DNA<213> Homo sapien
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60aagaaccgga agacgcagcc cctgtggccc cctccgtccc tgcctctggg taccctgagc
120tgcccacacc caggagagag gtccagctctg aaagtgccca ggagccaggt gcaggccggg
180gaccccttgg ggtgaggggt ggggcagggg agggctgggg gaccccgacc ttccatggcc
240catagagggg gggggccagg gtgtggggac atttcgcagg cctgtcctcc taggaggggt
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360ggaggcgag ctgcggcggc tgcaggagga gaggacgtgc aagg
404

<210> 2447<211> 402<212> DNA<213> Homo sapien
ggcacgagag gagcgtact ttgagccact ggtgaaaaa gaacaaatgg aagaaaagat
60gagaaacatc aaagaagtga agtgccgtgt cgtgacatgc aagacgtgcg cctataccca
120cttcaagctg ctggagacct gcgtcagtga gcagcatgaa taccactggc atgatgggtg
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240caagcactgc agtaactgtg gcctctacaa atgggaacgg gacggaatgc taaaggaaaa
300gactgggtcca aagataggag gagaaactct gttaccaaga ggagaagaac atgctaaatt
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402

<210> 2448<211> 392<212> DNA<213> Homo sapien
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60aggccgtga agggcaccgg atgcccagga atcaccacct ggtaccagaa gcgggtgccg
120ccagcaggtc ctatgcccac acacttggtg aggaacacag ggctgcccag cttcattcgt
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392

<210> 2449<211> 402<212> DNA<213> Homo sapien
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120tgaggagacag acagagacat ggggctgatg aatgccattg ggcttcagcc ccggaaccct
180gccacctcag tgacatctca gggcaccacag actctggccc ttcagctgca gaatgccgaa
240acacagactg agagggaggt gccggagcca gggacagccg cctcaggtcc tgggaaggt
300gaggggttcag agtatgggtgc cagtggagaa gatgcgtca gcaggatcca gaggctgatg
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402

<210> 2450<211> 393<212> DNA<213> Homo sapien

catagttcct aaggcatgac cattctgtcc tgtggtagca ggctggacta agctcccatt
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120tgagtcattg gaggagacat cccaaaggcg ccagctcccc tctgccctaa actgaaatta
180agacctgggtg ctctgggtgg gggccctgga aagggtatgtg caactcatag gggaccttct
240ccaccttcac ccaggagacc ccagagggac catggcagag ccggagccct cttttttttt
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360tgagaatagg ccaaagaagc caatcgtctt tgg
393

<210> 2451<211> 392<212> DNA<213> Homo sapien

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120tcggagggat cagagacac agaacttgga ggggtgtgca cgctggcagg tggcctctgc
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360caggactcgg acactgccct ggaaacatgg at
392

<210> 2452<211> 404<212> DNA<213> Homo sapien

ggcacgagag gacttgcccc atgtgcaa atgtgacatact caaagctttg ggaattgagg
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120gtgcctcctc ccataagag gataatcgca gcgagaccgc atcatctgga tatgtttcag
180tacaggggaa agatgaaccg cctctggagg aacacgtgca gtcaacaaat gaaagtctac
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300caacctttga agaagacgaa actcctaate aagagactgc tgttcgagaa attaatctt
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404

<210> 2453<211> 394<212> DNA<213> Homo sapien

cgctgctgtc ggaaggcaca ggcttttatt tatcccgat ctgctctcct gaaataattg
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120gaggggttctg gttactgggtg ccactgggct tcttggcaga gctgtacaca agaatttca
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394

<210> 2454<211> 396<212> DNA<213> Homo sapien

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120cttttaaatca ttgtggttta ctctgagatt ctgtagtcct aatattgtat cattgtgctg
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396

<210> 2455<211> 393<212> DNA<213> Homo sapien

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120ttctgccttg tccatggcat aggccataga ccaggtccct gctgctcaca cctgggcctc
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393

<210> 2456<211> 392<212> DNA<213> Homo sapien

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120tgcacccaag accaaagaaa agaatacgaa gaaagtggat cacagggcgc ctggcgctga
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240tcgccaaaag aagagccgct gttaccagca cccttttccc aagaaaagtc aattcccagg
300tgcttatttg acatccttcg agggggaaga ggagggaagc ggccagctca cccttcggg
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392

<210> 2457<211> 401<212> DNA<213> Homo sapien

gggacgaggt ccagcccgtc tgagcttcca gcctcccctg caggtggcag cgctcctgtt
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120acctctccaa ccttcacgcc ctccccctca cccaaagggc aactgcaga gtctcagtg
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240acagatgagg atgaactgac tggaatcctt aagaaattat cacttgagaa atatcagccc
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360aaggagctgg gaattaagac agatgggtcc aggcagcaca t

401

<210> 2458<211> 403<212> DNA<213> Homo sapien

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60aggagggaaa tgattgggct tcaggaaaga gacagacagt tacaatgtaa gaacaggaat
120ttgcatcagc tactaaagaa tgagaaagat gaggtgcaaa aattacaaaa tatcattgca
180agtcgagcta ctcatgataa tcatgatatg aagagaaaag agcgtgaata taataaactg
240aaggaacgtc tacatcaact tgttatgaac aagaaagata agaaaatagc tatggacatt
300ttgaattatg tcgggagagc tgatggaaaa agaggctcct ggaggactgg taaaactgaa
360gccaggaatg aagatgaaat gtataaaatt ctcttgaatg att

403

<210> 2459<211> 399<212> DNA<213> Homo sapien

ggcacgagtg actattgaaa atgcttagaa tgaaaaaaat gaaaattctg acctaaaaa
60gcaaatcagt agtttgcaga tccaagtgc ttcacttgca cagtcagaga atgacttgct
120gaattcaaac caaatgctga aggaaatggg ggagagatta aaacaagaat gccgaaattt
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240acagtgggtg gaagaaaagc ataagcttca tgagcgtatc acagacagag aagaaaagta
300caatcaagct aaggagaaac tgcagcgagc tgcaattgcc cagaaaaaga gaaaatctct
360tcatgaaaaa aaattgaaaa gactacaaga gaaagtaca

399

<210> 2460<211> 397<212> DNA<213> Homo sapien

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120tactctttaa ggctgctaaa agtcaatcca tgcattgaat tgcttggttg agtagatatt
180aatgaggata aattacgatg gagaggggat tcgttagctc ctttctctgg ggattttctg
240aaacctcggg atctgaattt gaccatcaca ttgtatcatg gctccgttgt ggagagagac
300tctcgtttgc ttggatttga cttgataacg tgtattgaat taatagaaca tttggattca
360ggtgatctgg ccagatttcc tgaagtggta tttgggg

397

<210> 2461<211> 386<212> DNA<213> Homo sapien

tgcgtttcca acagaaatta aggtcgatgt gtgcaaaaga gtaaatctgg acattactac
60tttaatcaca tatgtatctg ccctcagcta tggaggctgc cactttattt tcaaagagaa
120agtgtctaca gaacaagcag agcaagagag gaaagagcag gttctacctc agctggaggc
180ctttatgaag gacaaggagt tgtttgcttg tgaatctgct gtcaaggact ttcagtctat
240tttagatacc ttangaggac ctggggagag agagagggcc actgtgttaa ttaagcgaat
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360taatagccgc tcattaacaa tttttg

386

<210> 2462<211> 392<212> DNA<213> Homo sapien

ggcacgagcg gtcgcggagc tgtggccagc tttgggaggg cgggccccgg gatgctacac
60acaaccacgc tgtgcctatg cggacatcac gtcgcccac aagtttctgt ttgagcgtgt
120ggaggggcatc tccagggcta ccatcattga tcttgatgcc catcagggca atgggcatga
180gcgagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta
240cccaggggac cgctttgcca agcaggccat caggcggaag gtggagctgg agtggggcac
300agaggatgat gagtacctgg ataaggtgga gaggaacatc aagaaatccc tccaggagca
360cctgcccgcac gtggtggtat acaatgcagg ca

392

<210> 2463<211> 385<212> DNA<213> Homo sapien

ttgagaagat cctcagcact cttgttaaag ggacacgcag acctgtgacc tgcaagattc
60gcacctgccc attgctgata cctctccat tctgtcata gccaacggag gatctcatga
120ccacatccaa cagtattcgg acatagagga ctttcgacaa gccacggcag cctcttccgt
180gatggtggcc cgagcagcca tgtggaaccc atctatcttc ctcaaggagg gtctgcggcc
240cctggaggag gtcatgcaga aatacatcag atacgcggtg cagtatgaca accactacac
300caacaccaag tactgcttgt gccagatgct acgagaacag ctggagtcgc cccagggaag
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385

<210> 2464<211> 386<212> DNA<213> Homo sapien

ggcacgagggc cggtttgccc cttctttgta tgagagtttc atccgccctg aaatcttccc
60ggtcggttaat aactcctcag gtcctgcct gcacagggtt ttttcttagt ttgtgccta
120agagtacacc aaatgtgaca tcttttcacc aatatagatt acttcatacc acattgtcaa
180ggaaaggact agaagaattt tttgatgacc caaaaaactg ggggcaagaa aaagtaaaat
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc
360ggcagagatt gccaatgcc agtccn

386

<210> 2465<211> 391<212> DNA<213> Homo sapien

ggcacgagggc cggtttgccc cttctttgta tgagagtttc atccgccctg aaatcttccc
60ggtcggttaat aactcctcag gtcctgcct gcacagggtt ttttcttagt ttgtgccta
120agagtacacc aaatgtgaca tcttttcacc aatatagatt acttcatacc acattgtcaa
180ggaaaggact agaagaattt tttgatgacc caaaaaactg ggggcaagaa aaagtaaaat
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc
360ggcagagatt gccaatgcc agtccagagc g

391

<210> 2466<211> 397<212> DNA<213> Homo sapien

ctccagaata ttattaagac tcttagggtt cctctcagtt tgaagtattc ctgcccttct
60gaaagcacat ggaaactagc agtatcctct cctctcagag ttctttctat tgggctacct
120gttgcccggc agcatgcttc ttctggaaaa ttgacagta tgtggccaga actagccaat
180acttttgaag attttctctt tactaaaagc atacctccag ataactcttc tattcaagag
240tttcaaagaa atgaaaatat tgatgtcgag gtagtccaac ttatcagcaa tgagatacta
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360ggtcaatac attctcagtc atcttcattt acagaag

397

<210> 2467<211> 397<212> DNA<213> Homo sapien

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60ctgaacagca aagcatgggt cagaaacagc tagaacagat tcgtaaaaaa cagaaagaac
120atgctgaatt gattgaagat tatcggtatc aacagcagca gcaatgtgca atggccccac
180ctaccatgat gccagtgct cagccccagc caccctaata tccaggtgcc actccaccca
240ccatgagcca accaccttt ccatgggtgc cacagcagct tcagcaccag cagcacacaa
300cagttatttc tggccatact agccctgtta gaatgccag tttacctgga tggcaaccca
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397

<210> 2468<211> 390<212> DNA<213> Homo sapien
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60tcaggcgagg aaggggaata tgcctggca ctgaagcaag agctacgagg agccatgagg
120cagctccccct acttcatccg gccagctgtc cccaagagag atgtggagcg ttattcagac
180aaatatcaga tgcaggtcc gattgacaat gccatcgatt ggaaccctga ttggcggcgt
240ctaccccggg agctaaagat ccgagtgcg aagctacaga aggaacggat tacaattctg
300ctccccaaga ggccccctaa gaccacagaa gataaggagg aaacaatact gaaactagag
360accctggaga agaaggaaga agaagtaacc
390

<210> 2469<211> 387<212> DNA<213> Homo sapien
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60ttcaagctgg actatgacag catggagcgg gaaattgctg agccactgtt tgacctgaaa
120gtgggtatgg aacagctggt acagaatgcc accttccgct gcactctggc taccctccta
180gcggtgggca acttccctcaa tggctcccag agcagcggct ttgagctgag ctacctggag
240aaggtgtcag aggtgaagga cacggtgcgt cgacagtcac tgctacacca tctctgctcc
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360cgctgtgcca aggtggactt tgaacat
387

<210> 2470<211> 383<212> DNA<213> Homo sapien
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60aaagagacat ttcataggt tcagagtaac tcacctccat gggctgacca aaggcttttc
120taatttttgt tactgatgag atgaaaccta ttgtgaagga gatcttcccc aggagcattt
180ctgttgccct cttgacatca atgaaaagta gcatattctc ttatgaaata gcatgagaaa
240acacagggca ttctaggac agtaaaacgt taaagtactg gattaagaaa acaacaacag
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360cacctgaggt caggagtttg tga
383

<210> 2471<211> 371<212> DNA<213> Homo sapien
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60gcacgtctca aacttgggag actcagaata caacagagta tgggatacag ggaggaaaga
120agagatgcag aaataaatta aaaacaagat ttgtttaaag aggaactgca acttctttaa
180ttgggcagat tgaaccaata aaagcacagt tcttccctt cactgttat cctttagtct
240cttcaacttt cacattgctt cactcactt ctctctctc ctctcactg ctacacctac
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360gcagccattt t
371

<210> 2472<211> 383<212> DNA<213> Homo sapien
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60cagagtacga ctgtctcaac aacaacagca acaacaacaa caacatcttt caaaaagct
120tatttcaagg aaaaacacaa agaaatttca caatgaatta aattaacagc cttggtagct
180aggttaaaaa atttaagca aagaaataaa agttgatacc aggttagcaa agacaaggta
240aaaaatagta ctaagacact tcaggacctt taaggatatt tgaagaggtt tcaatattta
300gtatctaagg taaaaagagt tgatgcagta ttttcaggta aaggaaatcc ttgcaaaatc
360agactgattt gataatatta ggg
383

<210> 2473<211> 383<212> DNA<213> Homo sapien
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60caaggcacct gaaaaatgaa ctggggaacc aactgactt tccccctt cttgattaaa
120acaaacaaca ttgtgaaatg tcaacctgtc agtcgtttgg aaagtgtcg gcattggaaag
180gcaattaccc aaatgacttt taaaagatg gagaatttgc ctggctgaac gttttttaat
240taatgccgtg agttaacatt aataactatt catagcttag tgagctgggc ttgaggtggg
300tttaggaaac atttggtatc tctggcaggg acagatgttg acctggccgg tcggcagctt
360ttacaaacct aaggacttca ggg
383

<210> 2474<211> 381<212> DNA<213> Homo sapien
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60tgccactgcg cccagccggn ccttgctttc atgtacctta gaattcagag gaaaaaagag
120atattaaaca aataaatata caaatgaaca tacaatttca gtgaggttta agtgccatgc
180aggttaaagaa ttaagggtcc tgtttcattt acttcttacc tgccttgacc tgtccttcat
240taattccaca aatacttact gaccttgca tggcaggctc tatgctgagc actgtgaata
300cagaagtgc tcttgatatg gggattcgaa ctgcatggag ctacaccgt ccaaccaga
360ttgacataca taataggtcc t

381

<210> 2475<211> 374<212> DNA<213> Homo sapien

ggcagcaggc tactactgcc actcccagtg tgctgacct tcaaagttca gcaacacctg
60ttaaaagtcct tgctcctggg gaattcggta accatagacc aaaaggggca ctaagacctg
120gaaatggccc tgaaatttta ttgggtcagg gacctcctca gcagccgcca cagcagcata
180gagtactcca gcaactacag caggagatt ggagattaca gcaactccat ttacagcatc
240gtcatcctca ccagcagcag cagcagcagc agcagcaaca gcaacagcag cagcagcaac
300agcaacagca gcagcagcag cagcagcagc agcaccacca ccaccaccac caccacctac
360ttgaagatgc ttag

374

<210> 2476<211> 381<212> DNA<213> Homo sapien

cggtgctgtc gggccggtgg atcactcgag gtcagcatat tgagaccaac ctggccagca
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240ctatcatggg aatagtagcc tgaacctatg tgaaatctaa gaacatataa cactaatttt
300tcatagtata aattaaaaaa tggttgccta gcgctggaga ttccgggaag ggacacagat
360tctctgtatt gatagactgg c

381

<210> 2477<211> 380<212> DNA<213> Homo sapien

ggcagcaggc cctttccagc ttgggttca cagccttctg ttattcctgc tgtcaatttt
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120tattaccatt taactgcagc aagtaaagac gttaatagtg aggtttttgg gaatgtggta
180aaaccgggag gtatatttga ctttgtccaa gttatctgat gaggcagatc agctaaagca
240aaatacagtg ggttgctccc tactatcact gggacctaga gatttcattc acatctctga
300aaaatgggt ttctgtatga tagtatgggt gagaaggaat gacagcagaa ctatcaactg
360ttttctgatt atcctgatga

380

<210> 2478<211> 374<212> DNA<213> Homo sapien

cggtgctgtc gggagtccac aataaggggg cctcatgcac atgattgaca gagagccaca
60gcggccttgc attgtttata acaccagaaa gggacaattt agaagtgcca ttctctgctt
120aacactaact ctctttaagc ctgatcactt cccacattct aatagggctt ccatgccgag
180ttgttttcta gaatctttcc ttccattttt cagggaagcg tgaatgttgc tttaaagtca
240gcgtttttaa gtgggtataa gctttttatg tgacttaaat tacataaaca ttccagttgt
300gctgaataca cctcttattt tctagatttt catgttttca tacagctcag gtttctgagt
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374

<210> 2479<211> 373<212> DNA<213> Homo sapien

cggtgctgtc gggataaatg gaaatttcaa cttatttcaa attttgcaca tattatgaaa
60ccttattaat gtatttttat caaactaaat cagatttcta tttgaattgt taggaaaaac
120catgtgcagt tttggctgat aattgaagga aaaatatcaa atactttgaa tttttttct
180cttttttcaa accctctgca gaggtaggaa ggtatgaatt tcttttttat gtcaagatgc
240aaaaacaaat catgatgctt ttgttgggag aatttttcta ttccagtatt tgtatgtacc
300ttttttttt ttaaattgga aagcccaatt aggttaaaca ttttaactttg cttgactcca
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373

<210> 2480<211> 367<212> DNA<213> Homo sapien

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120gcccaccag gactttccga ggctcacaga ttctttgaaa tggacgtgag cacaacgcc

180cagccccgac agccagggat cagatcgggt ttcacttcct aggagggagg atgtactgca
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300gtttttacggg atggccacac ggtaccctgc aggctcatcc atgggtgggac cttgatgctc
360ctttgtg

367

<210> 2481<211> 384<212> DNA<213> Homo sapien

gtagcacgaa ggcccactcc aaggttcttg ccaggctgga ctgtaacagc agtaccagca
60ccaggaatgg ggccaccatg tgatctttgg gtagaaatga cctttttggg cttgagtttg
120tcttttctaga atgcacgtga tcccttatcc caggaggggt gtaaagacca cactgtggag
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300gcggcacagg ttggggaagg ggacttaatg gggttatgta atttgcatga aaatcacaga
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384

<210> 2482<211> 383<212> DNA<213> Homo sapien

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120gggtagacag agccacctca gcatcctgat gtagatatac agaaattgtt acttctctac
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383

<210> 2483<211> 379<212> DNA<213> Homo sapien

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120gacctccggt aatccgcaca ccttggcctc caaaagtgtt gggtttacag gctgagcca
180ccatgcctgg cccattagg ttactttcat tccacctca tgcctatggc cattcctctt
240atgctgctgg gtggacatag agcttcacca ccctcctcc gcatgtcctc tgtgtctgct
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379

<210> 2484<211> 377<212> DNA<213> Homo sapien

cgttgctgtc ggaaggtttg gtattgtaaa tgtgctgtt ttccaaagaa aaattagcag
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120aaaacatgta aaagccaaca aaacccttga aaatatattt catatggatg tctgtttcac
180gtttcaactg aagatgtata gagcacctct gatgatgagg aagataccat gctaggcagt
240actttcaaga acgtgagttc ttatttctgc aggccttttg tgcctcctt taaatgttag
300catttattag gtacaaacta gtggggaagg tttttttaa aagttttgca gtcttgaat
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377

<210> 2485<211> 375<212> DNA<213> Homo sapien

cgctgctgtc gtatagaact aaaatgtctt aaaccacgct tagtttcata tttagaaca
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120ggagacatgg aaactgattg ggggagttta gctttactct cttttttctc agccattaag
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360tgtgtaata tttat

375

<210> 2486<211> 372<212> DNA<213> Homo sapien

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240gtggtttaca tgcctctgaa actatgtgca atatttttg ttgacacttg tatccatcct

300taagaaatta gtgcagattg cagatgttct gtcttccatc ccaaacaagc ctgccatgag
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372

<210> 2487<211> 155<212> DNA<213> Homo sapien

ggcacgagct ccgcgcggcc tcggtccctt gcgccgccc ccccaaca aaactcagcg
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120cggagcgcgg atcgggacag cggccgggac agcgg

155

<210> 2488<211> 375<212> DNA<213> Homo sapien

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120ccattaaatt atatccatga atttatatca cgtcccttga ctttatacgt agatttttct
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300caatttgcta agttaaaggc cagtgtattc attagccaat ggttctgtat tttattcatt
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375

<210> 2489<211> 379<212> DNA<213> Homo sapien

gcggattgtg acaaaatctt tcattaacaa ggggagtttc ggtgaagtgg aggtttgggg
60aaaggcagag aagtcggtct ggagcaagca agcaaagtgc ggaagctgta ctgggattct
120tctagaaagt ggggtgggaa aggaggtagg gagggcgtgt gcagggacga gatctgtgtc
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240agcgggagcg aggggcggcg gctgggggtgt gtgctcctga gctcttcaga aaccaggctg
300cttttcaggaa cattgtctgt gattcccagg gcctattcca ctagaagcaa gatggctgaa
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379

<210> 2490<211> 372<212> DNA<213> Homo sapien

catctttggc gtaggccatg aaagacagga tgctcattgg gtgttctgct gagtgaggaa
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120aaatggaccc agttttgcca catatcagta ttacgctgaa gatcaggtga ctggatgccc
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372

<210> 2491<211> 375<212> DNA<213> Homo sapien

ggcacgagaa actgtcagcc cattaagtgt tcattctctaa tgtgaaatct ctgatgaa
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120agagctggaa tccattggag ccaccaatct gcagaagtct agaacacaaa ggacacagag
180tgggttttggg gggtcattgt ggcatttgtc aaggaaaagc aacattgcc tctaaatgac
240tcccacttct gttctggaaa aaacgcacat tcattcatgc caccatccca atagacatag
300gaagcaattt ctcttcaggt ttgagatgg tgcaagcatt gacttttctt tctacagagg
360gtcgggatgg ggggg

375

<210> 2492<211> 382<212> DNA<213> Homo sapien

accgcacgag ggaaaatcaa acttcttggg tgttctagct ttgaagcttt tgcttcagta
60atatttgttt aaagaaccag atcacatacc atttatcaaa gtctttactt aagccagact
120actttgcaga catacatatt tggaaaacag actgtttctt gttcactaga tagaatctgt
180attgtagtaa gaaactactt acaaggctggc tttctttctg ctttgctact ctatgtataa
240ctcaataata tatgtatggg cacaggggtcc ctggagatgg tttatttctt tatgacagac
300acatgagtat gcacctctct ctagtctctt gatgtcactg cagctacagt ctcttctcac
360tctgtttttg agagccttca aa

382

<210> 2493<211> 375<212> DNA<213> Homo sapien

cgttgtctgc gtgagaacgc aatgtcaggt gtgggactcc ttctgcccct gcagtgggtg
60ttacgggcgg tgtgccttgg cgagcaagct ttgattcttg gttctttgag ctcgtttcag

120aggctgagtc cccacatcag ctttagttct tggacttccc tgtattaagc aagaattagg
180agaatggctg tccctgcagg cgcctccgt aaatcctgag ctctctggcg caatctgaaa
240cttctcttct gtttctttg gctgtatcag ccgaaccagg agaggcctgg gctgcgacta
300aggagaaaga aatcggggtt ttctgagagc agatgggtgcc tttgtgggtg cagggctttt
360gtggaaattg tcacg

375

<210> 2494<211> 371<212> DNA<213> Homo sapien

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60tcaggatggg aataggaggt ccaagggagt gcaaggtgtt ttcattttga atgtgggtgg
120ctgggaaagc ctactaaaa tttgagaaag acttgatgaa agagaggagt gagccatgca
180gccatttggg ggacaacttc caggcagacg gccggaggca gcagtgcag ggcgtagtcg
240gggcagtggt tatgcctcct gtgtagcaaa cccagggcac cctttattaa gccaaactatt
300aggggtttcca ctgtttggag gtggctcctg ttcttgagga cccccaactc tgatgttttt
360ttggaattgc t

371

<210> 2495<211> 368<212> DNA<213> Homo sapien

ccgttgctgt cgggcgagtc tttaaaggag tggctcatct ttcctctccc tggggcattt
60tgggtgtggga gactacaggg gatgagggtta aaaagcttgg tcggcaggta gaggatggg
120agagaggtta gggccctggg aaaggtggga gatcagccag agacagggtt cccagaacag
180aatgtctggc ctttgtgggt aggagggact gtggtatgag ccgcagaagc gggccagggg
240taaaccctcc tgtgcgtcct tccttcagcc tggctcctgag ggtgaccctt tgatcctggg
300ttctccaggt agggctgtga gctgtgagtt ggatcctttt ggtgaaatgg tctctctcat
360ctggcctg

368

<210> 2496<211> 378<212> DNA<213> Homo sapien

ggcacgagcc aaggcctggg ggccctcggt cccctgcccc tcgtcaccat cctgtccttg
60gctggccgtg aggactcccc tctcaccac tgggtccac agggctgagg tgggcagtag
120agggcatagg tyggtacatg tcccgggcaa ggtctctcgg ggggacagaa gtgagtccag
180ggagtgggtg ggcctgggag tccctcactc aaaatgccgt ggggtgagga cggtagggac
240aggggtggga ctgggttctg gtttagagtc agtaattgta gggcgagtg ggcaggggtt
300caggacatct ccagccggtg gtgaggaagc atggtggggg ctcctccaca ggacgggagc
360tggngagggt gtcctggg

378

<210> 2497<211> 384<212> DNA<213> Homo sapien

cgttgctgtc gatattgtaga ccagactggg atccacagtt taattgaggg tttgctccag
60tattcctggc ccaatgacaa agatcctgtg gatggctcct ttcctactat gacttttgc
120gaggtgctgg ccacctatgg aactgataaa cctgacactc gctttggaat gaagattata
180gatatcagtg atgtgtttag aaacacagag attggatttc ttcaagatgc acttaataag
240ccccatggag ctgtgaaagc catatgtatc cctgaaggag caaaataact aaaaaggaag
300gacattgaat ccattacaaa ctttgcagct gaccatttta atcaggaaat cttacctgta
360ttccttaacg ccaatagaaa ctgg

384

<210> 2498<211> 371<212> DNA<213> Homo sapien

cgttgctgtc gccatgccat tgacttgat gcagaagcaa tggctcttcc cctctatcgc
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120gaggttgaag atctctatga gcttttgaaa cttgttaagg aaaaagaaga agtagagggg
180atatcagtag gtgctatact ttctgactat cagcgatttc gaggggaaaa tgtgtgtaaa
240aggcttaatc tccagccttt agcttatctt tggcagagaa accaggaaga tttgctcaga
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360cctgataagc a

371

<210> 2499<211> 377<212> DNA<213> Homo sapien

gtccaagctg ctgggcttgg agcaatgacg tccatgggtg gtaagggttg caaagattct
60tttggaatg attatataga aaacttaaaa cagaatgata tttctacaga atttacctat
120cagactaaag atgctgttac aggaactgct tctataattg tcaataatga aggccagaat
180atcattgtca tagtggctgg agcaaattta cttttgaata cggaggatct gagggcagca

240gccaatgtca ttagcagagc caaagtcattg gtctgccagc tcgaaataac tccagcaact
300tcttttgaag ccctaacaat ggcccgcagg agtggagtga aaaccttggt caatccagcc
360cctgccattg ctgacct

377

<210> 2500<211> 346<212> DNA<213> Homo sapien

tttcgtttgc gagaagacga cagaaaggca aggaactagt gtgtatcaag ccatactaag
60ctggagttta gcaggacaaa ggcaaaactaa atgtagaaca taacatatca gctgaatatg
120tctatccagg actgtttttc tagaacataa atcatggagc tcttgacag tgtatccact
180gtttttgggg tttataaaaa ccaactagaa tttagactta caaagaaatt attattcctt
240ttgggtgtcc acataaagca gtccagggtc atcatatggc taaaatcaag atatttggtt
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346

<210> 2501<211> 344<212> DNA<213> Homo sapien

tactttctgc gagaagacga cagaaggggg cggaggggca ccttacttac ctcaggggca
60ctcccccaac actggagaca gtctgttcca aacaggagtg ggagacgaga ctgaatggag
120tttgataat gaaaaagaat gtctggggacc aatttaatat tcatatccag ttagtggaga
180acggagccaa gctgagcaga ctctctcaaa tccctactcc cactttacct ccacccccat
240cagagacaga cttcatgctt taggtgtttc aaccagggcc ctctctgggt cctcggatgc
300ccttttccat tgggcagggtc acaatgcccc tggttatgcc cagt

344

<210> 2502<211> 338<212> DNA<213> Homo sapien

agggctatgg ctgctagaag acgacagaag ggataaccaa acctcctaga ctaacaacac
60agtcttcat cttacctcca agaaaaacat aaccccaacc agctatttgc cctgctccca
120gtagaggcag acacacctga atgtgctatg aagagacaag ccttagggga gaaacagtgt
180gatttggaat aatcattcta taacagcgaa acctttcgat gtgttcaacg gctgcagaaa
240gcacaccaca ggtgagagac cagaaagtgc ccaaggggtt ttatacaaaa aaactatatt
300taggtatagg gcacagtcta cgtagaaaac ctttcaag

338

<210> 2503<211> 335<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaacaaaaa cctctctgct tcatctcgca gaggtcatcc
60ctgagtcagg gtggcagtc cctcccgggg ggcagaggag agtgcctatg gttgaggctg
120gggactctgc aactggggga ggcacggtaa aattaacacc tgctgatccc atgggccttg
180gacagggttc ttgacttttt gggggcgct gtcaaagggt gagtataata acctcctccc
240cacagcaaat taataaatgg catgtgcaca tacagcgctt gcctcatgtc tcacatgata
300aacctgattt ctgggcactg gctgagcgac tatgg

335

<210> 2504<211> 475<212> DNA<213> Homo sapien

acttgaactt nnnaaggatc ccacgatctc gctcagatct ccaactcctc ctccctcttc
60taagccatca agtattcctc ggaaatcctc tgtggatctc aatcaagtta gcatgctttc
120tccagctgcc ctatcacctg ccagctcatc acaaagatct ggaactccta agccatctac
180tccctacacca accccttcat cgaccccaca cctcctgat gctcagagct caactcctag
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300aactcagttt gctcagcagc aaaggctctc gagccaggca atgcctgtaa caaccattcc
360tctttccacc atggtaacat ctataactcc aggaaccacg gccaccagc tcatggcaaa
420ctctgctgga ctttaacttca tcaatgtagt gggctctggt tgtggggccc aggct

475

<210> 2505<211> 446<212> DNA<213> Homo sapien

gacaattctc anggcctttn tggaagatcc catcganncg gttgcggcac gagaatgctt
60ttggcattat acctatattt tttagaacag caagccctat ttgaccactc tcttcagcct
120gtgtgttctt gctgttttga agtaatcaaa tgctgtgcat ggtattttac ctgagctgca
180acctgttatg gacttgaact tctgttttaag ttgaaagcaa ggtccctga gtataaagga
240aaaaacagcaa aacaaaaagc aaacaaaaaa aaactgcaaa agtctaaaat acccattggt
300gatgtttttt aaaaaaatct tgctttcagc ttccaggagg taatattctt tgttttaatt
360tgataatttg atatggttga tttatattgg gtttaaaactg cggagctttc atgtttactg
420gtaatttagt ttaaaatatt ttttac

446

<210> 2506<211> 444<212> DNA<213> Homo sapien
tagctccatc ttatacgcac gacccgctcg attccaagat cgctgctgctc ggcattggaag
60gatgcatgta tgactgagga aaagtcattc agtattgagt tcatttgcac tagagggaatt
120tcatagttta aaacttgat atctttaccc atccttcgta tgtttcttc ttaagcatat
180ttgacttttt ctacctcagc atctgtataa gaaaatattt gtgagtcaga tgtttgtggg
240ttttccttac ctattattat tttcttccat gctttacaac acatttttta aactaccttg
300ttcttaaata attacacgga cctgcttctg tgtactttca cagaatcttt gacagttaaa
360aattgtatgt tatataaaaa ttggaagaagc ttctacagtt aggaaaagcc tttagaaatc
420tgctttcccc aaaccgtatg ttat
444

<210> 2507<211> 431<212> DNA<213> Homo sapien
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60cattctcctt tttgccctgg attgttgaca tgagtggaaat acttggtttc ttttcttact
120tatcaaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag
180cctgacaaat attgttacca tgaagatagt tttcctcaat ggacttcaaa ttgcatctag
240aattagtggg gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct
300gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc
360accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg
420ggccattgcc c
431

<210> 2508<211> 433<212> DNA<213> Homo sapien
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60gatgctgtag ctgccctgag ataaccagga ctgtggaatc gggaagagct catggagctc
120gcgaatgtaa tacggaggcc tctgaggaag gactacggag gccgagaagg agccggcatt
180tgatgagcga accgggaaaag ggagacgatt gcctcgagct ggagagttcc atggctgaga
240gtaggctccg ggcccccagc ctaggagttt ccagggtgtc aggaaaatgc cagaagaact
300caccaggtgc caggaagcat ccttttccg gaaagtcctt ttacttggat ctgcctgctg
360gcaagaatct ccagttttt acgngggcca ttcagcaact ggggtggggtg attgaggggt
420ttctgagcaa aga
433

<210> 2509<211> 425<212> DNA<213> Homo sapien
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60gttgaaattt caaggacctt caagatggc atgtttgtct tggatgtgc taccctaat
120ttagtgtttc tttctttatt ttaaactcagt aattattcag ttgattgttt atactatata
180atgaagtaac aaaaacattt tggtttgtat gttttaagta acagttgtgc aaattcctct
240tgcttcttag gtgctccctt tgaatatttt gtgaactgtg tcacagggag aggggtggtg
300gctaggaaga gggtcagaaa gaagctagag ggaggtcagg agaagggtaa caggaggat
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420gaatn
425

<210> 2510<211> 423<212> DNA<213> Homo sapien
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60cattctcctt tttgccctgg attgttgaca tgagtggaaat acttggtttc ttttcttact
120tatcaaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag
180cctgacaaat attgttacca tgaagatagt tttcctcaat ggacttcaaa ttgcatctag
240aattagtggg gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct
300gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc
360accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg
420ggc
423

<210> 2511<211> 421<212> DNA<213> Homo sapien
cgcacgagag agagagagag agagttattt tgagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag
120agagagagag agagagagag agagagagag agagagagag agagacacac cctctctctc
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240ctattgtctt tttctggcgc gtattgtctt atctctctct ctctctctct ctcacatata

300tattcccccc cccctctct ctctctcaca caaatttttt ctttttttgt tcgtgtgcct
360ctctctctat aaaaccact ctctctcttt tttctctctg cgtgtgtgcg ccttctctcc
420c

421

<210> 2512<211> 422<212> DNA<213> Homo sapien

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60ttctctctcc actccctctt ttggtgtgaa tattggcttc ccaattaaga ctttttttt
120ttttttccaa gttggtttta ccaaataaag ggttgaggag aaccttgccc ttttggaat
180tttaaaaaa ttttttacct tttcttaaaa taagtctctg gtttttccaa ggggttaagt
240gaaaatggg aacaaaagaa aaaatttga gcgattttc ttttccctg gtaagggggg
300gagattttcc caaacggag gggccccccc ctggtttgga acctggaacc acatccccg
360ggggtgggaa aggaatttc cccaccgga agcctgttc ttggttccc agggccttgg
420gg

422

<210> 2513<211> 422<212> DNA<213> Homo sapien

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300tttgtatttt ccaggttgc tttgcaggcg ccgcatttc taacctgttc ttcctcttgg
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420at

422

<210> 2514<211> 422<212> DNA<213> Homo sapien

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120ctttattttca aataagaagg aagctaaatt tgcacaaacc ttgggtcgaa tttctctgt
180accaagtcca gaatctgcat atactgcaga aacctttca cctcatcca gccatgatgg
240aagttcattt aagtcaccag acacagtgtg ttaagcaga ggaatttat tagttgaaaa
300agctatcaag gaccatgatt ttattccttc aaatagtata ttatcaaatg ccttgtcatg
360gggagtaaaa attcttcaca ttgatgacat tagatactac attgaacaaa agaaaaaaga
420gt

422

<210> 2515<211> 166<212> DNA<213> Homo sapien

tgtttggctt gcactcttac ccatgatgcc agttgccttc attatattaa ctgagtttta
60aatttgcggg ggggaagcta ttttacctta tgcagggaac ttaacaaggc ctaatattaa
120cctttatttt atttttaggg agttactttt ggctgcagga cctcgg
166

<210> 2516<211> 415<212> DNA<213> Homo sapien

ggcacgagga gagagagaga actagtctcg agagcagnnn nntttttttt ttttttttt
60ttgggtttt ggggttggc caataaaaaa actttttttt ttacaacaat ttaccccc
120ccttttacct ctttttttcc ccccggggtt aaaaggggga aaactcttgg ggtttttcc
180ccccctttt aaaaaaggaa accccccctt tttaaaccgt gtttttttcc cccctccga
240ggagggggaa ttttactcca aaaaccctt ttttttaaaa aaaaaaaccc ctgggggaat
300ttttttttt ccgggtttaa aagaccccc aaaaaaaaaa aagggttttc cccacattt
360tgtggcggg aaaaaaac ccccttttt ttttcccc cctcaaaagg ggccc
415

<210> 2517<211> 416<212> DNA<213> Homo sapien

cgttgctgtc gaagaatagg agagaataga ttatgctctt ttaaactga gagagggttg
60ctctctttaa atagtatat agagccttaa atgcattttt gttgtgttg ttgatcactt
120acagaaatag ccagaggtaa tggattcct cttaccaaatt tgaaggatta gctctgtaga
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300tctgattggc tgccaggggc cttaacagg tgaatatttt aatcaactat acaggagtca
360accatcccaa gagttaaaga attgcataga tcttttagtt taagggaata aaatn

416

<210> 2518<211> 413<212> DNA<213> Homo sapien

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60ttgtagtctt ggaattcatg acagaggcaa atgactcctg ctttaacttat gaagaaagtt
120aaaacatgaa tcttgggagt ctacattttc ttatcaccag gagctggact gccatctcct
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240aggcctgagg tggcgaggact gcctgaggtc aggaattcaa gaccagcctg gccaacatgg
300caaaacccca tctctactaa aaataaaaaa attattagct gggcatgggt gtgtgtgcct
360gtaatccag ctactcanga ggatgaggca ggagacctgc ttgaacctgg agg

413

<210> 2519<211> 416<212> DNA<213> Homo sapien

ggcagagat tttaatcagc tatgtcattt ctgcgtctcg ttgtatactc ctggaaggtc
60ttagagaaat cctgccaaaga aaatatcccc tggtagaatcc tgggggact agtccacgcc
120gcactgtcag caagtatctg ctgaaacaag tatttttgaa tcttagctt ttctgtagct
180ccagtctttt taaagtactt cttttgacct tcaagtaaca acgagcactt gctttaaaat
240tctgacagtc ttccaagcct tttaacattc ttattccact aaataagctg tggccgctca
300ctgggacagg cagcacagtt gcttgaacgc ccggcttgaa attccacgaa atgtcacctc
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416

<210> 2520<211> 413<212> DNA<213> Homo sapien

cgttgctgtc ggaagaattc gcggccgcag gagttttcca gtcccagcta cccgggaggc
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300ccacagaccg gccagaaatc tctcccacca ttatatcagc gtgatacagg tctacattca
360tttctacaaa caggaacaag ttccttgacg caataatatt attttatgac ttg

413

<210> 2521<211> 166<212> DNA<213> Homo sapien

atataacctg tctcacttct cagaggtagc agtactaat actgggggtga gtgattttac
60tcaaaggaaa tcacactatt aagcagcttg gttttgacat gtatgtttgg ggtcatcttt
120tcatgtcaat acatagatta atcttttatt tcaaatgtct acataa

166

<210> 2522<211> 413<212> DNA<213> Homo sapien

cttttgttac cttaaataatg agtaggatct tgttttgttt tatcaccagc acacagattg
60ctataaactg ttacttttg agttacattt ttatagaaga tattttcagt gtctttacct
120gagggtagtg ctttagctat gttttagggc catactttta ctctatcaaa tgatcttttc
180tccatcccc aggtgtgctt tatttctagt gcctgtgct cactcctgct ctctacagag
240ccagcctggc ctgggcattg taaacagctt ttcccttttc tcttactgtt ttctctacag
300gcctttatat ttcatacct ctctgcctta taagtggntt agtgctcagt tggctctagt
360aaccagagga cacagaaagt atcttttggg aagtttagcc acctgtgctt tct

413

<210> 2523<211> 416<212> DNA<213> Homo sapien

ctgggggtgaa tgcacgtcag tggaggcaga atcattctgt ctgaatgaat ggagtttcca
60ggcccccaact ggccctctgt gtgaggggtc gcagggtttg gcaggacagg tctttctctc
120cgcgagagc accaccctg accggctgct ggatgagggc accaaagctc gctagggagg
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416

<210> 2524<211> 414<212> DNA<213> Homo sapien

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414

<210> 2525<211> 413<212> DNA<213> Homo sapien
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413

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416

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408

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409

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408

<210> 2530<211> 165<212> DNA<213> Homo sapien
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165

<210> 2531<211> 409<212> DNA<213> Homo sapien
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409
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411
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406
<210> 2536<211> 404<212> DNA<213> Homo sapien
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403

<210> 2538<211> 403<212> DNA<213> Homo sapien

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403

<210> 2539<211> 406<212> DNA<213> Homo sapien

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406

<210> 2540<211> 405<212> DNA<213> Homo sapien

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405

<210> 2541<211> 403<212> DNA<213> Homo sapien

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403

<210> 2542<211> 407<212> DNA<213> Homo sapien

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407

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406

<210> 2544<211> 403<212> DNA<213> Homo sapien

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403

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403

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404

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402

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399

<210> 2549<211> 398<212> DNA<213> Homo sapien

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398

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401

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395

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396

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398

<210> 2554<211> 395<212> DNA<213> Homo sapien

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395

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398

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398

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401

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400

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400

<210> 2560<211> 396<212> DNA<213> Homo sapien

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396

<210> 2561<211> 397<212> DNA<213> Homo sapien

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397

<210> 2562<211> 401<212> DNA<213> Homo sapien

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120aacacagcgc tgcacgagc tgtgattgaa aagcacgtct tcgtggtaga gctgcttctg
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240ttataattat gcggggaaaa agtagacca ttaaagcatt ccagtgggaa aaaaaaaaaa
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392

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393

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393

<210> 2571<211> 391<212> DNA<213> Homo sapien
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391

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394

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391

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392

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391

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392

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392

<210> 2579<211> 384<212> DNA<213> Homo sapien

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384

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385

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388

<210> 2582<211> 384<212> DNA<213> Homo sapien

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384

<210> 2583<211> 156<212> DNA<213> Homo sapien

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156

<210> 2584<211> 389<212> DNA<213> Homo sapien

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389

<210> 2585<211> 386<212> DNA<213> Homo sapien

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386

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385

<210> 2587<211> 387<212> DNA<213> Homo sapien

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387

<210> 2588<211> 384<212> DNA<213> Homo sapien

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384

<210> 2589<211> 389<212> DNA<213> Homo sapien

ggcacgaggg caagtgggtga agatgagatg ataacaatgg ataatatgtg
60gatttgatgt ttgacttttg tatgcatacg ggtattcaga aacaaatgga agcctttaga
120gatgggttta ataaagtttt tccaatggag aaattaagtt ccttcagcca tgaagaagtc
180caaagatttc tttgtggaaa ccagtcacca tcctgggcag cagaggatat tatcaattac
240actgaaccta agctgggtta tacacgtgac agccctggtt tcctgaggtt tgtgagggtt
300ttatgtggca tgtcttctga tgaaaggaaa gcattcttgc agtttaccac tggttgttca
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389

<210> 2590<211> 379<212> DNA<213> Homo sapien

ggcacgaggt tcataccaac atttattaag acttattttt cagtggctct caatcacaga
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120ttgttggtatt aaacacattt caaaatggaa agacaaatat tttatttact gacctaaaac
180aacactacct atgaaattca tgcactattg ctttcagatt acttacagga ttatatcaat
240ttaacatttc tttgtgagat taagcatttg aaatccatag tcagagaact attttaaata
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379

<210> 2591<211> 379<212> DNA<213> Homo sapien

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120gatgggaaaa tttcttggtc agtccgggga aacacaccta ggtgctggtg atgggcttat
180gaaggaagct aagcacggct gctcactggc cccactttg tttcttggtt aattcacagg
240ggaattccca gtactgtcat ggagcagagc aggcagtggg tgctgatgtg tgtgcatgag
300ctgtatgtac acatgcatat atctgttaca gaagatactc ctggcagtga ggtgctaagt
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379

<210> 2592<211> 380<212> DNA<213> Homo sapien

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120cccttctttg tcttcttgct gtttctttta ttcctcacgc ctgcggggcg ggggcgggtt
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240tttttcttc acctgggacc ctctanaggt tggaaagaga agagaggctg ggagcggatg
300gaaagcatga ctgcatctgg agcccctggg gggagtgggg aagagggagt ggaaggacag
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380

<210> 2593<211> 381<212> DNA<213> Homo sapien

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120gtaaaccaag agagtagaaa tatacccatc ttattttaag ttgggtttat ggcacgctc
180atatatgtaa aagcactaca aactctttaa agaaaattgg gaaactacag agaagtcaaa
240gaaaaaaaaa agtaacccat atttctattg ccagggcata atccttgcta aaattttggg
300ttggcctcct ctttttcccc caatatagtt gcaaataaat gatgtcttcc agagttgaca
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381

<210> 2594<211> 380<212> DNA<213> Homo sapien

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60aggaacagag ctgacatctg agcctcaaaa atccagccca tttgtaacta gactaccaga
120atatcctccg catcttgaaa acattcagta ttttcaagat ccaaggactc agataccctt
180tgaagtccca cagtacccac agacaggata ctatccacca ccttctcttc tgttcagtgt
240aaactttctt gcggatttct cagagagtgt gagtgggtaca aactttgaag aagatcatct
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360agagcccaaa gatgtcattg

380

<210> 2595<211> 382<212> DNA<213> Homo sapien

cgttgctgtc gctgctgaac tgttttttgt gcttctctta agcttttctt ttgggtacaa
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120atgggtcaact aaatgtttcc ttatgaaagt gaaattggga aaagtcaaga taaatcctag
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240atttggcctt ctgtgggtgt ttgcaaaact ttggttgtga tttatcctgt catrcataaa
300ttatggcaca tatgtggag ccaaactctg cattaaataa attctcacat aattccctac
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382

<210> 2596<211> 379<212> DNA<213> Homo sapien

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120acgatattca ccgttccatt aagtataata tttggtgcag cacagagcat ggtaacaaga
180gactggatgc tgcttatcgt tccatgaacg ggaaaggccc cgtttactta cttttcagt
240tcaacggcag tggacacttc tgtggcgtgg cagaaatgaa atctgctgtg gactacaaca
300catgtgcagg tgtgtggtcc caggacaaat ggaagggtcg tttgatgtc aggtggattt
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379

<210> 2597<211> 375<212> DNA<213> Homo sapien

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120taagataaat tccttgaaat taaaatgatt acgttctctt ctgtggatct tagctggcac
180attcccccta cacacatttt ggcaccttg ccttctttct gcctctcatt ttctgttctt
240actacttaat gccattttgc ttccatcttc tgtcactact gcctctactt ccacttaagc
300tgcagaattg aggggtgggc tttagacctg tatgtggagg agagaatgat taattatacc
360tgggttcargc tttag

375

<210> 2598<211> 378<212> DNA<213> Homo sapien

cgttgctgtc gctggagtct cttaaaattc acattgtac cagagccagg catcacagag
60cacatactaa cttttcagca tctggattcc ttatatatct tttctctcac catgaacagt
120taagtgtagc agttcaaagt tccagctctg gaggcagagt cctgactctg ttaggcagggt
180tcttaatctc aactataaaa tgaagttaca aacattgagt gcctcatagg gccagtgtta
240agattaaatg aaataaatat aaaccatttg gcatgggtcc tggagcgtgg ttaagtgtc
300agtacgatga tgcctctgag atcagagatg tgccttagat atctttttga ttcagtacca
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378

<210> 2599<211> 374<212> DNA<213> Homo sapien

cgttgctgtc gcctagttag tgttttaaca tgaatgtcta attcatggcc aatcttattt
60catcrgtact tcttccacat ccccatctt acaaaattat tttatttaa aagaacatt
120tttaactttt tatttttaaa atttgaaaat taatgattaa aaatgttact tttataaaag
180tgttaataat cagtatttaa agataattt taaaaataac cacaatacaa ttttcttacc
240taaaaaattt taatgagttt cttagcaaat atccaagcca ttttgratt tctctgatag
300ttttataaat ctgtatgtat gtgttttagtg acttttttga attaagattg aaataagatt
360cataaaatca ctat

374

<210> 2600<211> 375<212> DNA<213> Homo sapien

ggcacgaggg gagggcccca ggaggggtctc aggcagcttt gctgggagtg tccacatcac
60cctgaccccc gtgaggcctg acaggacccc acgcccagcc agcccaggac ccagcctccc
120agccaggtcc ccctccccac cccaccgcag gagactggcc gtccctgcca gcctcgacgt
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240ggaggaggag aagaaacccc accttcaggg caaaccaggg agacccttgt cccgggcca
300tgtccctgct ctgcctggcg agacggngac ctccccagtc aggtgcacc ccgactacct
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375

<210> 2601<211> 377<212> DNA<213> Homo sapien

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120tcctccatgt caagtcctta ttcctacgga atgacttggg aaacatgagg tgagtccatg
180accatgccat gctgcaggac cctactcttg tataagagtt tgtggaagaa tcttgcatg
240tcagaatcac acatgtatga cagaatgcca caaagtaact catgctgatg gctgcactgg
300ataaaacaag gctgtgccag aatgccttca ttgtgaggaa gggagctcca agtcacggcc
360actaggttgt cttcacc

377

<210> 2602<211> 372<212> DNA<213> Homo sapien

gtgggcatgg tgggtgtaac cgacctcaag gtggccacct cctgctgct gctgctcttc
60gccatcttca tgggcctgcg ggcctccaag atgttcgggc agcggcgcaa cgcgcaggcg
120ttggagctgg cgcacatgct gtactatcgc agtacgtcca acaactcga gctgctggc
180gccctggccc tgcgcgcga ggacgagcac accaaggagg cgctgctggc tcacagcttc
240ctggcccgcc ggccaggggg cactcaaggc tcgcccgaag agacctccag gtggctccgg
300tcggaggtgg agaactggct cctagccaag tcaggctgtg aggtgacctt caacggaact
360cgggcccctgg cg

372

<210> 2603<211> 371<212> DNA<213> Homo sapien

ttcaattccg tgctgcttac attttctatc ctttatagga ggccgagctg cagggggggg
60cctgtcttct ggggggagag ggtcctcaaa ggagcggagg cagctggaga cccctggagg
120aatcttgacg ggctggggac gtaagacagt cccatggaac aaataagatg gaaacagctg
180caacatata ttttctctt tagagatcca acctattcc atttataata aactgagaag
240ttctatatca aatataactg cctgtaacat tttaaattgc ttcaatctga gtttaacacc
300cacctttcct ttcattctct agcaaataat cttaaagctg tatctaact gcagtcagaa
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371

<210> 2604<211> 353<212> DNA<213> Homo sapien

tatctgctgc gagaagacga cagaagggtg ggtgttacga gattgggaga cttttctcag
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120gcagttctaa tactgaatgt tctgactgtg gtttactatg tatttcaggt tattttgtt
180aatctatcca gtaatcctt catgtaacaa ttatgatgtg tgtgttttag gtggggctac
240taaggctagt aagtagtgag gctggattta aacttaagtc tccagcttcg tggcccagg
300cttttatact tgactccaca ctgggcttat taagtgaatg acaaggagtt tgg

353

<210> 2605<211> 342<212> DNA<213> Homo sapien

actacggctg cgacaagacg acagacggc tagctaacgg tcgctccacc catagaaacc
60aaagtttttt tggcgggtaca gggaaattat aggatgttac tgtgcccc accccatta
120ttagctgcgc tatccgcagt gacatgacca tgtgtcctt cttgatgggc taagtaccag
180cagatgcgat catcagtgt aactcaagac aatatctgaa ggctgggggt gctgctttg
240ttcacatttt ttttttttaa ataggaaaaa aacttggaag cttgcagaaa tcttctgta
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342

<210> 2606<211> 335<212> DNA<213> Homo sapien

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60ctgtttgtca catgaggatt catttgacga tagtatgaaa atggaggcaa ttttccagt
120ctcaagaatg gtaaaaggca cagggtgggac ttgaaccag actcttggt tcaagtcag
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240ggaagtttag tccttgggac gcttggcctg ccagtcctctg aaaaaaatat gatgggggatg
300gtggtggtgg tagtgacagt tgggttgagg ggaca
335

<210> 2607<211> 331<212> DNA<213> Homo sapien

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60cttgagaaaa gttaaacaat gccatataaa tcaaaatatt gatgacatta attaatagca
120cttaattctg actttgactt tttttcaatc ccattagttt actttcattt cttacctaaa
180atgtgttag tggtaatatg aattctgaac ctaatatatc atcttattat tttctgctca
240atgtgtaaca ctagtctgac tattttattc tttttttttt tttttttttt tggaaaaaag
300tttccacttt tggccagggt tgaaacgccc g
331

<210> 2608<211> 457<212> DNA<213> Homo sapien

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60agcacagcca acggaatttg attgaaaatt gaatttgatg aaaatgatgg gccaaagcaca
120gtggcagatg cctggagagc cctcaagaat ccagcattg gggaaagcag cattgaaggc
180ctgactagtg tattgagcac tagtggaagc cctacagatg gacttagtgt tatgcaaggt
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300ctctccagtg gcaagggaaa atatagcagg ttataagttc aagccgatgt ccaaaaggaa
360attttccccc aagacacagc cagtcttggg gcaattagtg acaacgcaag cactcgtgct
420atggccggtt ccataatcag ttcctacaac ccacagg
457

<210> 2609<211> 429<212> DNA<213> Homo sapien

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60gccgttaaac agagagttat cctaattttt attgcagtag gaggaaatat atttaaaata
120ttttagatt tatagcaaat agagactcgt tatttaaaaag ttaaataaca atttgttctt
180ttgtgtttt tgccagttta gggcagaagc tgcttttctc ataaatatct tctaccaca
240tcaaaaatgc tgcttttaaa atttttgttt ataaattgag aaggaatttt ctctctataa
300gattgctgca ttgaacagat caccattaaa aagaatatta gaatccagca tgaagataat
360ggctaataaa aatgagggtac atactctata acaccattaa tcagatttga atgaggaatg
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429

<210> 2610<211> 425<212> DNA<213> Homo sapien

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120acttgaaccc gggaggcggg ggttgcagtg agccaagaca gcaccactgc actccagctt
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240ccatattggct tgagtaagga aagacagagt tgctatttgt tgagatgggg atgacagtga
300caagagcagg cttgcggttg tggaaagtgc aaatgtaagt gttcgatttt ggtatattt
360aatttgaaac gtcattatac aaccaagtgg agatcttgca tgtacactgg agatacatgg
420caaaa
425

<210> 2611<211> 420<212> DNA<213> Homo sapien

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180acacagcccc acccagggcc tctagttctt gttctcggct tacaatcttt gtgtttctgc
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420

<210> 2612<211> 419<212> DNA<213> Homo sapien

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180gacacagaat gaagtaacca gtatctttaa ggcaaacaag cagatcagta gaactgagt
240atttcagggt caaagaaaag aataatttta atgcaatccc tcattaccac agccatggca

300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggctgatga aattttggag
360cctaaattgt aaagttactg ggcctcctg ctgggtanaa ttcttttggga atttctgag
419

<210> 2613<211> 420<212> DNA<213> Homo sapien

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120cttcttttctt ggaactcagg gtgtggggac tgagcctgta ggggacagca tgccgtcttg
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240gacttggcac taagctccat gctgagacac caggctatgt gggcccccac ctgtttccc
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360gcctgggccc cagcccagnc agtattggag aggcaagcag agggcagtgg gtctcccaaa
420

<210> 2614<211> 414<212> DNA<213> Homo sapien

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60aaagtgcagt cattaacaat taaatcaaat agctctggta gtactgggtg aggggatatg
120cagccttctgt tacgtggttt acctaatggg cctactcatg cttttagtgc tcttccagaa
180tctccagatt ctacagttga ccggcagaag tcatcactgt caaataattc cctgaaaagc
240tcaaaaaaatt catctttgag aactacttca tctacagcaa cggctcaaac agtgccaatt
300gatagctttc ataacttgtc atttacagaa caaattcagc agcattcatt gccacgcagt
360agaagtcgac agtcaattgt tccccatct tccacaacac agtccttagg acag
414

<210> 2615<211> 414<212> DNA<213> Homo sapien

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120gcagcgcctt gccatttct cgcctcattc ataggacact tcaactgccat tttctattca
180cataaaaagaa aaataaatgt ggaaatttca tcttgggaaa aaaaaaaaaa aaaaaaaa
240aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa nnnnnnnnt tggggggggg
300ctttttttt aagcaccagc aggaaaaata gcttgggggg ggtgtgcccc acccccaaaa
360agaggggggg gaaaaaattt ttttttttg gaaaaagggg gccccctctt ttct
414

<210> 2616<211> 402<212> DNA<213> Homo sapien

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120ttctttattaa aaagaaacat tctaagtaaa cataacgaaa tattaattct ggggtgggtg
180aatattttgtg ttcatcttat cattcgtgct atttatttcc ttaaacttct gaaagttaaa
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300gatactaata ttctgtagaa gatatttcta aaatcttatc tttaaaatat gaaataattt
360ttaattgggg tggcaactta cattcaatta aaataactca tn
402

<210> 2617<211> 409<212> DNA<213> Homo sapien

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120ttaattaaaa acataccttt actctgttcc ctttagcatt tcaacctgat gttaaaagat
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300atgatacaaa ccttgggaatt tctgtctga agtgtaaaca ctttatttcc aggtccta
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409

<210> 2618<211> 406<212> DNA<213> Homo sapien

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60tgtttattag ggtattctt tacggtctta cttaaactttg ctgtaacagt aatgcttttg
120ttgtcttaac taatctatc attaaaaatg aaatgattt tgctttttaa ttgctgcaag
180tagcactaaa gatagaagct taattaatga aagctaattg caataagggg tagatagatg
240agtatatgtg ggggtgggag ggtatgggag tntnanntnn nnnnnnact gatgttctgt
300gttattggaa tgttgaaacta aatttaatat agctacttaa tatagagcgt ttctgagaca
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406

<210> 2619<211> 402<212> DNA<213> Homo sapien

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120tcgttgggac aagtcattcc tctgtgtggag gaacactacc tcatttttgc attaagaaaa
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300acccctgtat gtggcaggag atatgagttt atccttggtt ttattatttg ataaatggat
360ttaagttaaa atatattgca tttagcaaaa ttatagtata an

402

<210> 2620<211> 412<212> DNA<213> Homo sapien

cgttgctgtc gctcctcaaa aaatgatata gttcccaaag agagggtgtca gtgtcttgaa
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300gagccacttc atctagatca cttattttca gtgcttcaac tgtgttttca atgaagatgt
360cactttgaaa ataatacttc taattttatgc cccaagtga ttgcttttac tt

412

<210> 2621<211> 403<212> DNA<213> Homo sapien

ggcacgagat ccaattatct ctataaatcc cattgatttc agggaactga atttgatagc
60caggaggcat tccactggct tcttaaagga cattattggg ttccattttg ttttggtttg
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300acacagcaat tccactgtgg tggacaacaa gtgtattctca agtttcacag agcaattgtt
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403

<210> 2622<211> 404<212> DNA<213> Homo sapien

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240acgcatttgt gtaaaaatgac aggtgtttgg tattaccagg aactcataat gacattttaa
300taattattgt ctaaaatttca taatcgaagc gatttttagag tagttaactt gagatttcac
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404

<210> 2623<211> 408<212> DNA<213> Homo sapien

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120agttcatgtt acctatattt tattaaaaat ttcaaaccat tgagcccagg atatcgagga
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300gatgcctaaa cccacatctc cctacataac cttccaacaa aatatagaac agcaaaatca
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408

<210> 2624<211> 409<212> DNA<213> Homo sapien

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120tcttagctgt agctacagat atagaaaatt ctaccattga agatcttgta taaccttact
180tcagctgagc aaataattta aattataaat attacatgtg ggttgacta tcacagaaaa
240taaaatgatt atagatccta aaacataaaa ttctgaact ttgcaacct taattcatag
300gtactactaa tactcttact acagatttta taagtacttc cacttataga cagaagagca
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409

<210> 2625<211> 416<212> DNA<213> Homo sapien

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300ctctactaaa aaaacaaaaa ttatccgggt gtggtggcag gtgcctgtaa tcccagctat
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416

<210> 2626<211> 414<212> DNA<213> Homo sapien

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120tttgggtttt gtttttttct ctccactaca cagtactgca tgccatgtga gcaagatccc
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414

<210> 2627<211> 418<212> DNA<213> Homo sapien

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120aattcagaat tgttttaaac attgtgctgg ccaaaacaaa aaacatgttt gccagccagt
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300cttttagatg tatcttcttc ctcatctcta aataatcctc agggattact tttcctcact
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418

<210> 2628<211> 407<212> DNA<213> Homo sapien

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300actaacccaa ttaaagcaac agccatgaat aatattggcc ctgacctgac tgaattcaaa
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407

<210> 2629<211> 405<212> DNA<213> Homo sapien

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405

<210> 2630<211> 403<212> DNA<213> Homo sapien

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300acaccagac aaccttgac ccaagcact cagccagac atggatgggg agcagctaga
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403

<210> 2631<211> 411<212> DNA<213> Homo sapien

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60attaaattgg agtctagcac aaattaagtt aatctactct gtattaatca ttgggaaaaa

120gaaaagcttc atttgaaaac agtctttttc cttcacccac actaatagaa aaaggagagt
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300ccactggggc cacattgagg gccagttggg accttccttt ccagtcacac tctgtgtcct
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411

<210> 2632<211> 413<212> DNA<213> Homo sapien

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413

<210> 2633<211> 402<212> DNA<213> Homo sapien

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402

<210> 2634<211> 418<212> DNA<213> Homo sapien

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60aatacagaat acgaagatga aaagacattg aagaatccaa aatataaaga tagagctgga
120aaacgtaggg agcagggttg aagtgaagga accttccaaa gagatgatgc tcttgcattc
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240aagaaaggag agggcctggg gaaggatggt ggaggaatga aaacgccgat ccagcttcag
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360cttctccaaa acaagaacaa aaaaaactgg gacaaagcac gagagcgggt tactgaaa

418

<210> 2635<211> 409<212> DNA<213> Homo sapien

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240cctaggccag gggagcggag acctcgtggg agcgggcagg gggaccttc cctctccc
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409

<210> 2636<211> 403<212> DNA<213> Homo sapien

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60gtgctgtgga ggccgctcac caggctttcc ctggctggg gggccagtcc ccaggagccc
120gggagccct gctgtgggccc ctggcggtc cactggagcg ccggaagtct acctggcct
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300ccgggctgag aggcctgtg ctgcgctgc gggagccgct ggggtgtgctg gctgtggtgt
360gtccggacga gtggccctg cttgccttcg tgtccctgct ggc

403

<210> 2637<211> 389<212> DNA<213> Homo sapien

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120tattggcaaa tcaacacatt tttcttctc gtcttgagaa aatgtcttga ggtccctgaa
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240aaccacttaa tcttggagtg ggaggagagg ggggtggggtg ggagagaata taagatgtat
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360gagggttttt aatctagggg aggcagccg
389

<210> 2638<211> 396<212> DNA<213> Homo sapien
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396

<210> 2639<211> 393<212> DNA<213> Homo sapien
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393

<210> 2640<211> 393<212> DNA<213> Homo sapien
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120aaagagaata aaaatttctt aaaagactgt catattaagc cctttacct tttccttgtg
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240tgatcacttt gtaagtatgt ttttcaacc atcctaaaca cattttcaga aatgtttttc
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393

<210> 2641<211> 384<212> DNA<213> Homo sapien
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384

<210> 2642<211> 392<212> DNA<213> Homo sapien
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392

<210> 2643<211> 391<212> DNA<213> Homo sapien
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120aaatttttaa atacggtaaa atagtacata aaattacaaa gataaccacc aaaagatcct
180agaatagact ataaaccttt ggaactatca gaataaaaac acacaataaa gaaaacaaat
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391

<210> 2644<211> 389<212> DNA<213> Homo sapien

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120atgccatagc taccaataga gtcatttgca ttacacatac taatagtatt atttcttctg
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389

<210> 2645<211> 387<212> DNA<213> Homo sapien

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387

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386

<210> 2647<211> 396<212> DNA<213> Homo sapien

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396

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387

<210> 2649<211> 398<212> DNA<213> Homo sapien

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398

<210> 2650<211> 387<212> DNA<213> Homo sapien

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387

<210> 2651<211> 400<212> DNA<213> Homo sapien

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389

<210> 2653<211> 397<212> DNA<213> Homo sapien

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397

<210> 2654<211> 398<212> DNA<213> Homo sapien

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120accccgtagc tccatcttgg ctgcacagct ccaccccttag ccacgcaagg ggagaacatg
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398

<210> 2655<211> 386<212> DNA<213> Homo sapien

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120caattcctgt tgataacaac taaacaacct cattaccgga gaggactttc gtttactttt
180tgcccttttag gttccacttt ttttttggga aaggggattt aatttgttcc ccagccccga
240catcgactgg tataattttg ttaagagca cccttgagcc tccatgggaa acaacattcc
300ccggctgcac cctccaaaga tttggggata acgggatacc ccccccccc cccacctatt
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386

<210> 2656<211> 399<212> DNA<213> Homo sapien

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120tgagagagaag ttgggtgggtt ggtgcaggca gcttctgggc ttgagtcgg cccctgcac
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240gaagttgggt cctaaggcca agggcgctg ggcctgcag aggagcggag cagggggagg
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399

<210> 2657<211> 395<212> DNA<213> Homo sapien

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395

<210> 2658<211> 388<212> DNA<213> Homo sapien

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180ggacctgtcg tgctggctga agatgggtgtg tgtatccggc ggtgcacgat gctgcgggat
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388

<210> 2659<211> 378<212> DNA<213> Homo sapien

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120ggggcccccc ctttttttaa aaaagggggg ttttaagggg ggattttttt cccaaaaaaa
180aggtgggttt ttttttccc ggggggggtg gggccccccc cnaaaaaaaa aaatccccgg
240gggaaacccc ccccccccc cccggggggg gggccccccc tttttttggg aaaaaacacc
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360ggcaacaaaa aaacaaaa
378

<210> 2660<211> 382<212> DNA<213> Homo sapien

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120gttgctttct ttaatccaat ggataaaaaa agtaaaaccc tgtaaacatt attttatatt
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382

<210> 2661<211> 373<212> DNA<213> Homo sapien

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60cttttaataa gggtagagtt attaaatagc acaattaaaa aaattttaga acttacaat
120acaaaggatt attattttct caaaattatt atctttattg ctataatatt tatttaattg
180agcttttttg ttcaatgcac ttttgggaatt tttctttgga aattactaca tgatgctttg
240gacagctttt aaatatattg tatatatcca gtcccttaga ttttaaatat ttctgtttct
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373

<210> 2662<211> 373<212> DNA<213> Homo sapien

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373

<210> 2663<211> 378<212> DNA<213> Homo sapien

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120ttctttaaacc tgggaggcgg aggtttcagt gagccaagat tgtgccactg cactccatcc
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240ttcttggaac cttgtgcaga gggaaagta aaaagacctc cacacggccc actctgtcca
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378

<210> 2664<211> 378<212> DNA<213> Homo sapien

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120ctacactttt ggtactatct tcctttttaa tttttgggtg ctaagattta ccactaatta
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240agggtaaatg tgccttttcc tactattgag attttaaaag gctgtgatta agagagactt
300tattaatttg atctgaaaga agtagaaacc tctatgaaac aatttttatt ttcctttgca
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378

<210> 2665<211> 373<212> DNA<213> Homo sapien

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373

<210> 2666<211> 376<212> DNA<213> Homo sapien

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376

<210> 2667<211> 382<212> DNA<213> Homo sapien

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240tccaagcctc agttggccac agtgagaagg ggcctggtaa cactgtcctg gatgccaggt
300tgtgtgaag gtcccggctt agcctctggc aggaaggagg tgctcaggag gtgggcacag
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382

<210> 2668<211> 371<212> DNA<213> Homo sapien

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120gagacatggg tgtgcacaga ctgagaggca agaaagttgt atgatgagg tgggggggtg
180tgcgataga ggttgaagcc caaaagccct gaaagttcag tgttgaggct cagggtggg
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371

<210> 2669<211> 378<212> DNA<213> Homo sapien

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378

<210> 2670<211> 373<212> DNA<213> Homo sapien

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373

<210> 2671<211> 376<212> DNA<213> Homo sapien

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120tgcagcgcca gctgttgtga ggacagccag gcctccatga agcaggtgca ccagtgcac
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240ttccaggacc gcctggccc gtgcaccatg cattgcaacg acaaagccaa agattcaata
300gatgctggga gtaaggagct tcagggtgaag cagcagctgg acagttgtgt gaccaagtgt
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376

<210> 2672<211> 370<212> DNA<213> Homo sapien

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120acatgatcgc cggactctgc atgtgaagc tctaccagaa gggcaccgc gacatcaacg
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300ccaccctgct cctcagcagc cagctctatt acatgggccc gtggaaactg gactcgggga
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370

<210> 2673<211> 355<212> DNA<213> Homo sapien

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60tttcaaaaaca aaatggtttc aatagagcgc catgatattt ttctgacatt ttctttgaaa
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355

<210> 2674<211> 361<212> DNA<213> Homo sapien

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361

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356
<210> 2676<211> 366<212> DNA<213> Homo sapien
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120atgtttttct ttaatttaac tcattttgtg cttcttttac tcattcaaac acacatacat
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366
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367
<210> 2678<211> 349<212> DNA<213> Homo sapien
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120accctgtcac tctactcacc tatataatga ttttctgtga acttaggtat gaagtgaag
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349
<210> 2679<211> 337<212> DNA<213> Homo sapien
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337
<210> 2680<211> 470<212> DNA<213> Homo sapien
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470
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420

<210> 2682<211> 440<212> DNA<213> Homo sapien

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120ctccacatca ctctctgcta cgatcctcca gcctctccca tgatggcttt ttttctgtcg
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440

<210> 2683<211> 427<212> DNA<213> Homo sapien

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427

<210> 2684<211> 468<212> DNA<213> Homo sapien

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240attttttctca ctgcacaagc ttgggaactc tcttctcaca agaagcaagg tcttggttg
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360cgcccagagg agttcatgga aatgaataac tttattgaac tatttagcca gaaaataaat
420ttgatagata aaatatctca gagaatttat aaggaagaaa gggaatat
468

<210> 2685<211> 419<212> DNA<213> Homo sapien

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120caaaaacctg atttccattg cctagaatac ttcaagtctt tcaattttta cacactgctt
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240gagtaataga taaccatacc gatcattttt tctctatac cttttaagat aaacaaaaaa
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419

<210> 2686<211> 428<212> DNA<213> Homo sapien

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120gcgcgcgttt ttggacaaca aggtgctgct gtcctttggc aaggccttcg agtgtaaaga
180gcctggttg tttcgctttg tcttctcaga ccaagtcac cggctttgac tggggatgca
240gaggggtccag caggtgcttg caggcaaatc ccaagtggca gaagacccc gtcctctca
300tagccaggag ccaagtgacc aacgcaggtg agctgggtcat tgctcgtgg ccagagggcc
360cagcagccca tgtggacctg gggcgctctg gcgctgcaca agactgactg tggatgtgcc
420atttgcca
428

<210> 2687<211> 426<212> DNA<213> Homo sapien

cggtgctgtc gggatctctg aatacccatg cccctccac catggccagc cgggggtggg

60gccggggtcg tggccggggc cagttgacct tcaacgcgga ggccgtgggc attgggaaag
120gggatgcttt gccccaccc accctgcagc cttctccact cttccctccc ttggagtccc
180gccagtagc tttgccctca ggcgaggaag ggggaatatgt cctggcactg aagcaagagc
240tacgaggagc catgaggcag ctccccctact tcatccggcc agctgtcccc aagagagatg
300tgagagcgtta ttcagacaaa tatcagatgt cagggtccgat tgacaatgcc atcgattgga
360accctgattg gcggcgtcta ccccgggagc taaagatccg agtgcggaag ctacagaagg
420aacgga

426

<210> 2688<211> 397<212> DNA<213> Homo sapien

cgttgctgtc ggtctaaccc attttggttt acacagtctg accactagca caatgcctgg
60cacatagttt acaaatcatt taaggcaagc ttaccatctt aagacaattt aatacataga
120agtgtccctc ctaaaaatct gagtttgatt tagaaatcca gttatacctg cagggtactga
180tgactaatc cttctttgaa gacaaaataa gcagctgtgt agcttcagtg gctctcaaat
240ggataataga ttcagtgtat actcgctttg aactttcctg ttttttgatc agctagataa
300atgacttttag tgggtaaatg tctgcctcca aaaccaaatt ctgaccctga tctaagtatt
360ctaactgcacc gctgtcactg gaatatcaaa gttggcg

397

<210> 2689<211> 391<212> DNA<213> Homo sapien

gtttaaaact ttgacaagt ggtagtccca ctgtttacac tcacagttaa tgttcatacc
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120acaggtgtgt caaaagggtat cttgggtcatt aagtattgtg cagtgcatta tttattatcc
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240tgcttttttt tttcttttgg acccatgggt attataataa aaagcatttt gtacctgagg
300ggccctaatt gaaaaaagtg ctgctcaaag gaagtatgaa gttatatatt aaatttttta
360atttttaatt ttaatttttt tgctgtgaag g

391

<210> 2690<211> 416<212> DNA<213> Homo sapien

ggcaccaggt gtgtgtgtgt gtgtgtgtgt gtgtataaaa ccaaaatgtg tgacacaata
60aatgctggca cagctctgat ttcttttaaa aagaaaatta aaataggagt tctgggtcta
120attattagct attagctact tctgaaattc agaaagtacc ataattaggc taaagggta
180tataatatgt agtgaatctt caatgtaata ccataactc tgctattttt ctttttctaa
240ttagtgtgt tacattagta accaggccat gccaacacaa gtattccagt ccattgtgatg
300atattttcta atgtaaatta ataaactgaa attctaattg taaacatttt ttcataaatt
360tagttagaga cccctctgaa agacaaagca gcttttgcca tgctgaccaa attaga

416

<210> 2691<211> 412<212> DNA<213> Homo sapien

ggcagcaggg cttagagtaag atgataatat aggtgagggg ttgtagggat aagaaggaaa
60gaggagcagg ggaggaaaga accctgagga accaaatcat attaggagac gaggtgaaaa
120tggtactgag ggagtctgta ggaagcttag caggaaaatg gtgtataaga acttagggag
180gagagtttcc tgaaggaggg gcagtaattg cagtatcaaa tgctacagag aggagaggca
240tgatgagacc ttacaataag cttttcattg tatttgctct ttgggggcca gtgagaaggg
300aaaactgagg gtggtggagg ctggaagcta gatcatgatg agctaaggag tgagttggag
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412

<210> 2692<211> 368<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaaggagg aaaggtcagt cagcctgcac ttgcaatata
60agaatcagct tgctcctagt ctagtacaaa tccttctcac tgggagatct gggctgcctt
120tctgagggca cactgcaaag gccaccttct catctccctc tggcctgcct gtcagctctc
180agagagctga atgggccctg ccaccaacag tctgttgtgc ctttctgact gtgacacgaa
240tgactacca cgcaaagaag ggctccgtgt cacgagcgct cctagctggc tctccgtctc
300gggtgtccca ccacgggaac ttgagaagaa gctgaacctc tcaaggcttc cggtactgct
360ctttaaac

368

<210> 2693<211> 388<212> DNA<213> Homo sapien

gtgaaaagtg ctcatctgtg aactctatag caaattatat tttagaaaat accttgtag
60gccgggcatg gtggcagagc gagactccgt ctcanaaaaa aagaaaagaa aagaaaatat

120aaggatgtaa aagaagcaat ttgcttgac atctgaatat ccttcttggt tctccatttt
180cactcttgaa aactgaaagc aatttgactt ttatttttgt ttttctaaag aacagctagg
240tgaaaggagg ttaagctgat tgtcactctg cctgcccact acctactccc caccatgggtg
300tttcatgaaa catccccacc acctgaagtg atctttttta tcttctgtgat agtaaatagca
360ttgataatta acaggaaaaa catgtttt

388

<210> 2694<211> 377<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatg aacagcagaa gagaattatt ctacaataag
60aaatcaattg gtctctcaac tgagaatcac tagcaagaaa ctggtaaacc aaccaacaag
120tggtgtaaagg aaatgtgaaa ttatataact aaataaatac acacaaacac acacacacac
180acacacacac acacacgcac acacacaagc acacaccata gaatactact caaccacaca
240aaggaaggaa ataatagcatt ttacatttgc agcaacctgg atggagttgg agatcattat
300tctaagttaa gtaactcagg agtggaatac cacatctcgt atgttctcac ttataagtgg
360gagctaaagt ataagga

377

<210> 2695<211> 380<212> DNA<213> Homo sapien

ggcagcagag acagtcctcc ctcagatgc catgctccca ctgtaccacc atgtactgct
60tctctgagatc tctgcttctc tcagtcgacc cagctgacac ctgttctctt cctaactcca
120actaattaat tccagctaag ggaattgact ggaattagtg acattaatat ttactgagca
180ttccccatgt gtcactcagag ctgtgctaaa tgctttacaa gaataattac ctgccataaa
240gcaaccctat gacataggtg ctactatgcc cttttttag atgagacagg ttcaggggag
300ttagtatcac cttcaagtca tacagtggct aacaatctgt ggtctcgtg aatgctgggc
360gcctgctctg ctaagtctac

380

<210> 2696<211> 399<212> DNA<213> Homo sapien

atcggcacga gattgattgc tgttgcgga acttgagggt acttacagaa tgaagcacat
60tttttacata cagtacaaat gagggtgtgc tttttaaatg gatttaaaat tcaaagcaa
120atctgcagtt taatctccca agtgctgatt tttctatgta taaagtagga gaggcgaaca
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240cagacactca gtattacact cctgctatct ctcagagca ggtgaaacag acggccagga
300agcacacgaa gagacactca gcatcactgc ttgttaagga aggtgcaaat caaaaccaca
360gtgagacgcc acttcacacc tacaagttcg gctagatan

399

<210> 2697<211> 408<212> DNA<213> Homo sapien

cggtgctgtc gctggagaag cagccttata cagttgattt tgtgtatgtg gctagtctta
60ttgtcactat gtaagtaatc caatggtttt agaaactaaa ctttctagag caataaaatg
120actataatgt taagtaaaca taatgttgat ttctaattat gttttaaaaa atgaagtctt
180gaattatata aagaaatttt ggcagctgaa gtcattgtta ttttgaagct gttagttttt
240tcctataatt taaaaagatc ttttagattt atagaagagt cagaaatgta caagagagtt
300tttttgttgt tgtttttgtt ttttgagaca gaggctgtct ctgtcgccaa ggctggagtg
360cagtggcgca atcctggctc actgcagcct ctgcctcctg ggttcaag

408

<210> 2698<211> 406<212> DNA<213> Homo sapien

ggcagcaggc aagcatttac agtttttaaa ttcccagtc gaataaattc ttattgaggg
60caatacctag cctgtcttca tcaaactcat aggtgaatct ttgtcaaacc tataggagag
120agatgcaggc catagagatg gtcttgctga aggtcttata gctaaattag ttcagatcca
180ggaaccagat tctggaactg attgcaccta tattatgttg tgtgtcagac actccagga
240cctgttttgt aataattagg acagctgaca tacttggttg taattttgag atctgggcaa
300caactgtgta ggctgttctt tcaacctctt tcttcttact tctttacttt tcttcacag
360aggagaaagc caccctggg gtatagccac cgctccaatt ctgact

406

<210> 2699<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaagggtc tcaaactaat caatcaaaca aacaaacaaa
60caaacaacaaa agacactttc tagaagagat agtaacgata tctacctcat gaattaaatt
120acttggtgtg aattaagtgc ttactagga ttaccacatc attaactatt attagtaatc
180ttacagtcat tattatcaaa tatgtctcaa aattaatgca acctgtcagt ctagtcacat

240caaaagtgcc acagtgcttt ttggaaatta aacaaaacaa ttgcttaa at gtgcatac
300cattcagagt aattcttatt caagcaagct gggtttatat tcatgacaag cattttcaat
360tttaatatgt ttgt

374

<210> 2700<211> 406<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gaactagtct cgagagcagn nntttttttt tttttttttt
60tttttttttt tttttttttt ggcacacacac cccctttttt ttttttttaa aagtcacccc
120caaaaccccc cggggggggg ggggaaaaaa aacccccctt ttaagggggg gggggaaaaa
180aaaagttttt tgggaaaaaa aaaaaatttt tttattttt gggggcccc ccccccccc
240ccgggggggg gggggggccc ccccccccc taaaacccc cccccgtgg gtttttggg
300ggcccccccc cgggggctta aaaagggggg gggggggggg ccccaattt tcccaaagg
360ggggctttat ggcacacaca tcccaaaat gtggggggc gggggg

406

<210> 2701<211> 395<212> DNA<213> Homo sapien

ggcacgagat ggtctcaatc tctgaactc atgatccacc tgcctcagcc tcccatagtg
60ctgggattac aggcaattag aaggaccatg tgactaatct atatcatttt cttagagata
120aagctgagat ccaggaggct atgctaaaga gacataggta actgtggcca agctacagcc
180agattccatg ttttaagact ctcatgtcta tttttctggg tggggaaggg gaatgaaat
240ataactttgc aactatcctc acttcttctt acctacccaa atagaaagta gttcacgttc
300acaggacagt ggtctcatgg acttggttct tttttctttt aaatgaaatc cttaagaaa
360tctaaaaaca aatgagcaca gatgctctgg ctcaa

395

<210> 2702<211> 394<212> DNA<213> Homo sapien

tcacaatcca atatctgtgg aattcattgt gtatgtttgt gtatttgtgt gtaggtgtgt
60atgtgtgtgt gtgatacata catacatcac gtatcacaag acattgacct tatatattat
120gcaactgtgat gtttttccgt ctttaatttt aaaaaacata ctgacacaa ccacaatttg
180gaaaatgttg ctccatacca tccatacca acactacca cctgcaaata atagcattac
240taggagctgc agtcacaatg aataaatcaa caattcgcta caagatctag gattatttgt
300gtattttgtt gagagtgcga gcgcgttggc gtgtatctaa taccattgta tctcattgtt
360gagactttgt taaaaatagg gtttctggtt tctt

394

<210> 2703<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatt atcctactta ttatttatgt ttacacctct
60gtgtccaaca cacacacaca cacacacaca cacacacacc ccttagaatg
120gggctcctta agagcagggg ctttatgggt cttatggagc aagactttat gggtccttgc
180tcttatgcag ggcctgttca cctgcacctc cagaacctgg aacagtgtta ggcacaaaat
240atctgattaa taaatttgcg ctgaaagaga gaatactcca aaaggttctc gtatgagtga
300agtgaagatta ttatctataa agaattttgt ggaggcatgg caccacataa gcaccacaca
360cacagtattt ccagta

376

<210> 2704<211> 407<212> DNA<213> Homo sapien

ggcacgaggc cagtggagct aaagagctga gatataattg taaatagagt taataggatt
60ttctgatgat gtgggtctgg ggatcagggg agagggacaa tctactgcta ctgaattact
120ggtttaagta actaggtagc ctttattggg aaagactgag aggggaactgg ttgtgggga
180aaaggactat gtttcaaggc atgttaagtt ttagatatct ttgagatatt caagtggaaa
240tgtcatataa gaactggaaa caaagttcag gactcagaag acagggttaa aattaagagg
300caaatatttag agttattagc atacagataa tatttcaaat taaaagttt ttaataaat
360aaatatctgt ataattatag aatcacaggg gattgcaaaa ataatac

407

<210> 2705<211> 389<212> DNA<213> Homo sapien

ctccagcctg ggctcaaaaa agaaaaataa attaagggcc cgttctttct caaagccttt
60gggggcttcc gggggccctc agaaaacat aaaggggctt ttgaaaaact ggggcttct
120gggaaccttt ggaaaaaaa gtaaggggtc ctttaaaggg gatcctgttt tgaaaaaatc
180gcccaacttcg gggccccccac tttgaaaaag ggggcccgtg gttttcctta cagggtcca
240aaccaatttt tttttcccta agtttttttt tgggcccctg catttaatat tccaccggg
300ttttccaagg cgggggttaa aaccacccaa acctgccag ggccaggggc tccccctga

360atccccaaaaa ctttggggggg ctaaaaacgg

389

<210> 2706<211> 376<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaagggcac ttagaatggg gaatattggt gcagccaact
60ttgaaaaata gcttctgccca cagacactct ataagaagta ggttctgtga ggatgggatc
120ttcttatgga gtgttagtca tcaatggagt ggaaagaatg cagtcaaatac tgacacctga
180gactgtatag tagtgaggct gattccttaa aaatcacacc agaactcggc caggagtggg
240ggctctcacc tgtaatccta gcactttggg aggccaaagg ggcagattg cctgagctca
300ggagttcgag accagcctgg gcaacacggg gaaaccccg ctctactaaa atacaaaaaa
360aaaaaaaaatt agccgg

376

<210> 2707<211> 375<212> DNA<213> Homo sapien

tactgctgct agaagacgac agaagggtat gtcaaatcct actttaata tgaaagtaat
60caggatcaga gaaattacat gccagaaatt cacaggattt ataggtagag caaaataggt
120cagaaatcta tacactccag accgagaata tatcccgaag tcagcagttt atatgaggag
180tcaactggaa atcattgcaa gtaagaaga gctagattaa tcgctatcct taaagaataa
240actaggcaga aacattagaa cagctgctt caaatgttt cagaactagg tataatgggg
300gaaagaagct caggtatttt agaggtaata ctctttttt attcctattc ttatttaaga
360gtaattaaca gcgag

375

<210> 2708<211> 413<212> DNA<213> Homo sapien

ctcctacgtc tcctatttgt ccccttttgg ctttccttac taactttaat ggccacaaca
60tttagggcga agggggggcaa tcattgggtg tttggcattc gcagagactt ctgtcagttt
120ctgcttgaaa ttttccatt ttaagagaa tatgggaaca tttcatatga tctccatcac
180gaagatagt aagatgctga agaaacatca gtccagaag ctccgaaat tgctccaata
240tttggaaga aggccagagt agttataacc cagagccctg ggaaatacgt tccccccct
300cccaagttaa atattgatat gccagattaa actcctagag aggacccagg cacacacaga
360ctccacttgg ccttcgcctc ttgttcattc atcccaaacc tggaaatgga aac

413

<210> 2709<211> 395<212> DNA<213> Homo sapien

ggcacgagac gtcattggaa tgggtggttt gttaagcat ttctggcttt ccatcatggt
60tcatactgaa agtactgtag atgctagcta acctctgcc ttttaagaa taaacctttt
120ttttaaaact aagaactaaa gctgagattc tcctattctg ttgttgagg gcttccctga
180tgcccgccta tttatcaca gcaatttgag aagttttctt ttgtgttct gacaacaagc
240atttggggag aaagccaggc ataaattagt tacgatagtt ggggtttaat gtttctccag
300tgaaaatttg gacttttctt tttcccttat agaatgcata attaaaacag actattattt
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395

<210> 2710<211> 383<212> DNA<213> Homo sapien

ggcacgaggc ataagctgcc aaaccaagg gaggcagac gagtgccaca aaactgggtt
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120aaaaatccct tgcaaaggaa tgtgatacca agtgtgaccc gactccttca gcagaccatg
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240gaagatggct ttaagaata cacttcaaac gtctttttac aagggaacg gttccacgaa
300gccttgaaa gcatacttc accccaggaa accttaaaag agagagatga aaatctctc
360aagctcgtt acattgaaag tgt

383

<210> 2711<211> 386<212> DNA<213> Homo sapien

cgttgctgtc gggccactcc tcctccgtc cacctgtcac ttcgggtagc tgggaggcca
60ggtgaggggc gcgcacggg gagggcgctg catagttgag acagaaaccc ggaagacca
120actgtggcgc ggcactgctt gaccgaggg ctccggagcc cagctgcacc ggctgcgggt
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240aagctcgagc ccattacttt ctgtggactc tgactcgagc tgcaaaagct tttctgact
300ggttttctca tctatgttat gaagataata attccggccc taaccgtagt atgcttgcga
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386

<210> 2712<211> 382<212> DNA<213> Homo sapien

tagggaccag cgtagtcctt accttttttt ttcattgagac aagcgaagac cacagaggag
60gtgtggcttc atcaaaaacc cactgagaac gagtgttaga atcaggctag gacacattgg
120actcctcctc cagggctctc tgacatccaa ggcctttga aatctctctc cacctgcgaa
180cagatttcta gacttctgat ggaggtgatc tgagatgaac aggctctaaa agcagcctct
240gagagcctct tagagcagcc gggacctgct ggagaacaga acatggccta tgagcgcaac
300agccaagtgt tcagcaccac ggacagcttc tctggcctat tgctggggag gccacagggtg
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382

<210> 2713<211> 409<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gaactagtct cgagagcagc tttttttttt tttttttttg
60gggggggaaa ttttaaaatc aaaagggggg gggggggccac ccttttaatt gccggggcgg
120ggggcctctt attttattat tgcctgaaag gttgcttgaa ccaggtttt ccccatcgg
180ttaggaggga tccccccct cctgaaagg gggggccca cccctaaagg gggggggggg
240gggggggaaa aaaaccttgt cgttgagcc cctgtgggtt ttcacctcac ttggggaacc
300ccataaaaagg ggccgggtta aaaaacctg gttaaaggac atttaagaat ggaaaagggg
360gttgggccaa aaaaaccaa tttttctcc tgtggcgttc accccccc

409

<210> 2714<211> 408<212> DNA<213> Homo sapien

ggcacgagct gccctcgttc cgcgccattt aggacactg ccaggctc acggcccgcc
60tgcccaaca gctgcggcag cgttttaggg agggcggtc atgcgcccc gagcaggcaa
120agtgcgtgga gctgctgctg gccctggcg agcctgcgga ggagctgtgc gaggagtgc
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240ggccaatgtg gccagctcca tctgagcca cattaaggcc tctctggcag gagtgcacct
300tttcaccgcc aaagagggtgt ccttctccaa caagccctac tttcggggtg agatctgcag
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408

<210> 2715<211> 377<212> DNA<213> Homo sapien

tacggctcgc agaagacgac agaagggtta aggtctgtat tgccagtagt actgaattga
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120tcattaaact gtaaaacttt tgcagtctca ccacagtttc tcttactagg atctagaaat
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240tgagaagggt ggatcacgtg agggcaggag tttgagagca gcctgtacaa cgtggtgaaa
300ccctgtctct actaaaaata aaaaaattgg ccagggtgtg taacacacac ctgtaatccc
360agctacctgg gggctga

377

<210> 2716<211> 388<212> DNA<213> Homo sapien

ggcacgaggg cacatggtag cgggtcagcg aaaagcccag tgctggaccg tgggacaaaa
60tgggaacaga gcagctagca ctgtggagat gagaaggggc tgagattaga ccgagggaag
120gagggagtag ctgacaggct tccacaagcg gaaggctcag cgaaagaagg cagccattga
180ggagattaag cagcggctga aagaggagca gaggaagctt cgggaggagc gccaccagga
240atacttgaag atgctggcag agagagaaga ggctctggag gaggcagatg agctggaccg
300gttggtgaca gcaaagacgg agtcgggtgca gtatgaccac cccaaccaca cagtcaccgt
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388

<210> 2717<211> 396<212> DNA<213> Homo sapien

ggcacgaggg ggaactgggg tccggaggac gcccacgcc tcttgccag ggcctccctg
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120ctcacttccc tgttctctg gtactgtac cgctgggct cccaagacat gcaggcccta
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240gggccaagcc cagggggtcc tggggatccc ggggaaggac ctaggacgga aggcctagt
300agccggcggc ttcgggctta cgcaaggcgc tactcctggg ctgggatggg tagagtgagg
360cgggcagctc aggtggccc acgccctggg agaggc

396

<210> 2718<211> 386<212> DNA<213> Homo sapien

cgttgctgtc gagcgtgggc cgcagcacca ccagggccga ggtggacctc gtcgtgcagg

60gcctgaagca ggccgtggcg cagctggagg accaggccta gcactggggc cgccttcccc
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180ggctgtgcca ggatgactgt ctcatgcccc ctctgcattt tgcctggag tgccagcgag
240tgtgcacccc cagtttcctt cctggaacc ctgcagagct cacaggggcc aggacaccaa
300cgccgcatag gaccgcccac atgggaacgc ccacatggga ccgcccacat gggaccgccc
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386

<210> 2719<211> 371<212> DNA<213> Homo sapien

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240aatagcctga gacacaggca agggcatggt tgggagggca gtccaggagg gtgggactga
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360gtgggttttt g
371

<210> 2720<211> 389<212> DNA<213> Homo sapien

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120gagggatgaa gtcattaggac aacgaaggcc tgttctcgac tacacagtgg ccaattcctg
180tttctgtggg agtgaccacc agccccaccg gctgggaggg agtaagtgtg gatggtatcc
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389

<210> 2721<211> 404<212> DNA<213> Homo sapien

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404

<210> 2722<211> 384<212> DNA<213> Homo sapien

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240cgtgaccacc atcagtgacc tggacctctc gggggcccgg ctgctcgggc tgacccacc
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384

<210> 2723<211> 403<212> DNA<213> Homo sapien

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120gtgtgtcact ctgagtctgt gtctctctgt gcgcgagaga ccccccccc ctctcttctg
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300acgcaccccc ctcttttttt tgtgccccac cctctctctc gtgtgggggtg tctctctctc
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403

<210> 2724<211> 397<212> DNA<213> Homo sapien

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180taagacctac agatcagcaa aggacctgac aaagggaacc atcgtgctga agtatgaacc
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397

<210> 2725<211> 392<212> DNA<213> Homo sapien

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120cccagtcctt gccctcggac cagccgggtg ggaccttcag cctctgacc acttcggata
180ccagcagccc ccagaagtcc ctccgcacag cctggccac aggccagctt ccaggccggt
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392

<210> 2726<211> 402<212> DNA<213> Homo sapien

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120ggctctgcct gatccagccc ttcctcgact tgcggcaaaag gatcatggtc atcaaagcca
180aagggtatgga gcctatagag tgccctcttg aggaaaatag tgaacggact cagattcgcc
240aaagcagggt ctgtgctgac agagtaagta cttatgattg tggagaaaaa atttcaagct
300ggttgtcaac attttttggc cgtccttctg atttgatcaa acaaagttca aactctcaaa
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402

<210> 2727<211> 411<212> DNA<213> Homo sapien

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411

<210> 2728<211> 402<212> DNA<213> Homo sapien

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120tgttggaga atactaccag attactacag cccggccatg ctgggcctga agaccgacca
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300cttggccgtg gagacagtgc ttcggatctg ggactgtttg tttaacgaaa gctcgaagat
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402

<210> 2729<211> 359<212> DNA<213> Homo sapien

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120ggtgtttaaa gtagggaagg tctgagttag agattgcagc taaaagctgt ttattactaa
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240tttgagttga cagctgaatg tttctaggga gtcaaatatc cctaggattc acattgagtt
300aactgggagt ggcaagttga ttgatagtag tgaggacaga gagacagtca aagaaagg
359

<210> 2730<211> 347<212> DNA<213> Homo sapien

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240taatgtctgc ctgggttttt aacaggctgt gaaccagtga gtgccttgtt aatgtagaat
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347

<210> 2731<211> 342<212> DNA<213> Homo sapien

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120tttgaggggc ttgggtccaga gtgacttggt aatttactct aacttccttg tgtgttgatg
180ggtaagtaca ctcaaacact gaatacaggt gtgtgatggg tagatttcac agcccttcta
240ctaatagtga gtgtgaaggc aagcttgatg caaaacctcc tgaccttcc tacctgaaga
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342

<210> 2732<211> 335<212> DNA<213> Homo sapien

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180ttgggaggct gaggtgggag aatcacttga ggtcaggagt ttgagaccag cctggccaac
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335

<210> 2733<211> 345<212> DNA<213> Homo sapien

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180gcttgatagc acagctggat gaaaaagat ggcaattaag gtaagttaca ccatttttgt
240ttctaaaaaa tccctaagaa atttcttggg atgagtcctt ggctcagag cctctcaag
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345

<210> 2734<211> 336<212> DNA<213> Homo sapien

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180ataaatatta ccatatgatt cttattactg tgaacagtta agaaatagta aagtgatata
240taatgggtga gtacgaggca tgagaacaca ggccaacgtg atgaattgcc ccatgaatag
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336

<210> 2735<211> 356<212> DNA<213> Homo sapien

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240agaaggaaga ggataagagt aaaaggggga ataaagaatg tgggaaggac agagtacaga
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356

<210> 2736<211> 351<212> DNA<213> Homo sapien

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120ttttcatacc ctctagagtc acttatcaca aaagtaacaa tcacaatcct tggaaagggtg
180tactatatac ttaataaata agcaggtata catgtgtgga tttgtacatc ccaagagggtg
240ggactgatga gagacagcag caccctatc cccacaatc aatgaacaaa cctggtaaat
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351

<210> 2737<211> 344<212> DNA<213> Homo sapien

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240tgcaagccag cagtgcaatg ccacatccaa gtttggtaaa tcaattctaa gtgagataaa
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344

<210> 2738<211> 353<212> DNA<213> Homo sapien

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120caattcagtg accgcagcag tcccttcaat gctgcatgag cctgggtgcat gagcctgtaa
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353

<210> 2739<211> 342<212> DNA<213> Homo sapien

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120actgctcaac cctaaagaaa tcttcaaacc caagtatcca ctaaggctgg attcaacaaa
180tggttttagg gccacagtaa atatttcagg tttggcaggc catatagtca caattactaa
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342

<210> 2740<211> 336<212> DNA<213> Homo sapien

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180aatcctcaac ttgtcatata aggtcttcta tgttgtcctt gctttagtgg ccaccaatct
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336

<210> 2741<211> 341<212> DNA<213> Homo sapien

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240cctggcagtg tgcaggccca tgttggacag ggccctgccg cttccttggc acctgtatg
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341

<210> 2742<211> 340<212> DNA<213> Homo sapien

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340

<210> 2743<211> 420<212> DNA<213> Homo sapien

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420

<210> 2744<211> 438<212> DNA<213> Homo sapien

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300atagctaact ttcaccgagt acttacttga gccaacattg atctaaaccc ttacattga
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438

<210> 2745<211> 420<212> DNA<213> Homo sapien

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60tagaatgtcc acagtcttgg cagtggactt ggcagttctc ccagtaagca gaagtacttg
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420

<210> 2746<211> 424<212> DNA<213> Homo sapien

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424

<210> 2747<211> 343<212> DNA<213> Homo sapien

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120acgatttttag tgacaaaaac tatggataaa actgcctaag cataacatta atatatttag
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240ggctttatcc ctagaatcaa ttctctcagc atcaccaaac tgaattgggtg aaatagtgtc
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343

<210> 2748<211> 337<212> DNA<213> Homo sapien

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120gtgggatttg aatgcccatg aaagacattt tattttactt gaatatattc ttgcttcact
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337

<210> 2749<211> 406<212> DNA<213> Homo sapien

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406

<210> 2750<211> 371<212> DNA<213> Homo sapien

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120caaccctcaa cctgaaaga cagttaactt gttaggtgca ctgttacttt atggattagt
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371

<210> 2751<211> 340<212> DNA<213> Homo sapien

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120tgatgtgttg ggtaagagat ggtttaaaag tccagcttgc tgtttttcat taagtgtctt
180gaaaatgagt aagtggcgtt cctggagggg aacaatcata taattccgca ggggtgggtct
240aaaacttggtt tctgatagtg ttttagcagct catggctctg agggcacctg ataacacagc
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340

<210> 2752<211> 397<212> DNA<213> Homo sapien

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120ccgtgggtggc tcacacataa tcgcagcact ttcggaggcc actgcaggaa gatcacttga
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300atgctgaggt gggcagatca cctgagggtc ggagttcgag accagcctgg ctaacatggc
360gaaaccccg tctactaat aataccaaaa 'aaaaaaa

397

<210> 2753<211> 350<212> DNA<213> Homo sapien

gcctacggct gcgagaagac gacagaaggg cagctgcatg cctctctgcc tctctgtct
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120ccatgtttcc tctctgtctc ttgatttgc ttagctcctt ctagtgcctt gaaactgaa
180ctggcctgta gttgggatca aagatggagg gagaggggag attgtactat ggatagtgt
240gggcaagaag tgaattctta cactggaatg ataaaaggaa cctgcttctt gagtttctta
300aaattgtgtc tgaactcag atttgcactg cctagtatag tagctgttg
350

<210> 2754<211> 381<212> DNA<213> Homo sapien

cgttgctgtc gatttatata tattatacaa aatattattt gcatttaaca tattctgaac
60caatagtctt ttctacaagc agaacattaa tattcttgtc actctgaatg taggcacaga
120tttttgtcat cttttatctt ttttgtgtgt gtgtgacaga gtctcactgt caccaggctg
180gagtgcagtg gcgtgatctc ggctcactgc aacctctgcc tcccagggtc aggcgattct
240cttgccctgg ccttttgagt ggctgggggt gcaggcgcgt gccatcacgc ccggctcatt
300tttgtatttt tggtagagat ggggttttac cgtgttggtc aggcgtggtc tgaactctt
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381

<210> 2755<211> 388<212> DNA<213> Homo sapien

tacggctgca agaagacgac agaagggata caatcagcta gaaattacac ttatgccatc
60tcctaaaaaa taccatgcag gattttgtga atgaattact ggaaatccat ctaaatgtct
120ggaagacaat tctaaatgca taactttctc atggcttaag gttgtgctgt tcaactatgg
180aaccattatc cacatgtggc tgtttgtgtt aattttttac attaatata actcaattac
240actagccacg tatcaactgt taaataataa ccacatgtgg ctagtgccta ttacactgaa
300cagcataaat agagaatatt tccatcttca tagaaagctc tcttagaagc atttgtctaa
360aatgtcatct tcatgtatga taaatagn

388

<210> 2756<211> 368<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg agagactttg cattcctctc tccccagca
60ttgaacatag aagctctgta atgtagagc catgaaattg acccaatctg gattgatgat
120aaagacagct gcctgaaaaa gtccctgatc taagcatgaa tgaaagataa actttatgtc
180ttaaattatt aagattttgt ctttgaaca gaagcattag cctatcctat cctgactgat
240atgaagccat ttacagcttt taggtagaca tgtaacaagg tcagatttgc atttttaact
300atcacttttag ctgtagcatg gagaatggat gagagggata tgaagtcggt aggtgttcna
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368

<210> 2757<211> 369<212> DNA<213> Homo sapien

cgattcgaat tccgttgctg tcgagagccc ttcctccctt tccacatggg aagcactgag
60cccaatttct tctcacccca cagatgggtc ctgagagcag agatgtctaa tgaaagggtc

120agattcagat cactaacttt ccattcttcca ctttttccag tgggtggccat gttccccctg
180ttgccttcac aaaaaccttg tgaataatac aagccatattg gactctgatt tacagttag
240aagatgagca gaggtgggtg tgagttgccc agtcatgttg ctagtgttg aagaaactag
300gattgttctc aggtcttggg ctcttgccc atagaccagt ggctctgtgt tctgatgggg
360tattgggga

369

<210> 2758<211> 405<212> DNA<213> Homo sapien

ggcacgaggc cacttgtaaa agctgaactc tagtctgtgt cctccattct gcccccgccc
60ttctccctt tatttgtaa atgaagcaac atagtgaac gtcgtctcta caaaaaaaaa
120gaaaaaaaaa aattagccag gcatgcgaaa cgctgagggg ggaggatcaa atgagcttg
180gaggttgagg ctgcagtga ccttgggtcat gccactactg cgttctagtc tgggcaacag
240agtgaacact tctctcaaaa aaaaaaccca aaattgtaaa attacttcta tagctatatt
300ttatgataaa aaagggatgg tttctcaaaa tcgcatttta aagacgtttt atggaacttg
360ttggaatggg gacttaggag ttttgatttt gataaaaaac tggaa

405

<210> 2759<211> 399<212> DNA<213> Homo sapien

ggcacgagat ttgcccattg tgctcgggct ggctctcgag ctctgagct caagcgatct
60gcctgccttg gcctcccaaa gtgctgggat tacaggcgtg agacacacca tgccctgcct
120ctcaatacac tatttaatac atcagaccct ttggtacctc taggcagagg accgcaatta
180atttatgagc agctgttgct gtatacatgt aattatgttt gactacaaat gcatctttac
240aaaaatgggcc tagtggaatc ataataataa tgggttcagat taacttaatt cagattaaga
300aaattgtttc atactgaggt aagcgattga aaaattgtct atttaaaaat gcagtgcatt
360ttaaagagtt actatttgag gatctaaaat atacagaga

399

<210> 2760<211> 375<212> DNA<213> Homo sapien

tacggctgag agaatacagc agaagggtaa ggtgctggga tatggctgag aacaaaacaa
60agtcccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggatca
120caggcaaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaaacaa
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaaagtagc cctgatacca
240aggagacaat aaaccactac ttcaggactt ctagtatttt aagacaaata aactgggttt
300gtttaagact ctgttaattt ggttttcttt acttacagct gaatgaattc ctgagaccgt
360gtgtaggaag gtgca

375

<210> 2761<211> 374<212> DNA<213> Homo sapien

ggcacgaggg cagaggttgc agtgagccat gattgcaccc ctgcactcca gcctgggcaa
60ccaagtgaga ctgctctttt taaaaaaaaa aaaaaaaaaa aaaaaggggg caaaagtttg
120ggggggggcc ccaattttt taatttttta aaaagtttgg gcccgggggg gggggcaaat
180ccctgaaacc cccccctttt ggaagccag ggggggggga cccccggggg cggggatttc
240aaaaccaccc tgcccaccg gaaaaaaccc ccccttttat aaaaaaaca aattaacccc
300gcctaagggg gcctcccctg tatccccct tctccgggg gggggggagg gaaaacctt
360taacctgggg gggg

374

<210> 2762<211> 375<212> DNA<213> Homo sapien

tacggctgag agaagacgac agaagggacc tcattacagg agtaggagtc catttcatac
60aaccttggat tgtgtggcat cagcagttc aacactgaac cagttgtcag ggagggtgca
120aactgacccc ttcaatgcaa actatctatg caaactgacc ctttcaaagg ccattgtgag
180caggattatc cagatgttag ctgccacctt cagggaattg ctgttctagc tttgctttgc
240tcaactggctc tgtgccacat gatgagctg cactttcagc tcagctgctt tgtgctgctt
300ttactgagtt tggctgagac tctttgagag aattctctga cctaggtcag taatttagat
360aatattttgt tagtt

375

<210> 2763<211> 398<212> DNA<213> Homo sapien

cagaagcctg gattcaattt tcattcctga taaattgtac gaactttggg cataaatatt
60tcaacttcag cctctcttcc tctgaagtag gatttatagg acctttgcta tcttgaatta
120cagtgatatt tacttagaat ggggttaattc catttaaaac ttttttttg ctgctcaggg
180aaaagtgact tgataacaca cagagtgaac cctcatgttt gcaaattcca ggggccatgc

240ctagtgactg cataatacga ggggctggag ccctgatccc tgtcataagg catgtaacag
300cctgcatccc tagatttcag ggataactct ctgaagcctg gaaagggta gtattccaca
360ggctgcgccc tctcatgctg tccattttga gtaacccg

398

<210> 2764<211> 376<212> DNA<213> Homo sapien

tctacgggtg cgagaagacg acagaagggg tttttaaatt gttacaaaaa aatcaactaa
60attgttcaca tgagaacatg tccctggcaaa aaaagaaaga gaaaataaga gaaaacaact
120aaattgttgt taatgtttaga taaataagag gcacttattg attcaaccac agttttcttg
180agatcaactt taatttttgt ttgtactttg gtggtagctt ttttcattgg aaagaaatcc
240aaaattaaaa ttacattgtt aactaaatct tacttttttg tgtgaatttt tgtaattaat
300tttcataaga cactcttgtc tttgagtaag tttcttgttt gtaaacaaca caacacaatt
360tatcactatg aatgaa

376

<210> 2765<211> 383<212> DNA<213> Homo sapien

ggcacgagta tttattgaat tcttatttaa aacaaacaga aacataaggg gcaaggggca
60gggagaggaa agcctggcgc ctacaaacat gaaataacgt aagatgtaaa acattgattc
120atatacaaat ggtaaattcc aagtgcctcg ctactaacta tggggcacct taaacattgt
180tcggcaagaa gaatctcata gtgtgataac ttaatgcttt aagtttaaat atatttcata
240agttttacca atctgatgtg ttattttcta tagatttcca gcacctatct agagagcaat
300tggcctatac cgctgagtcg ttattatgtt ggtgctaact tttgttgact agcatttgct
360gcaagaggca ttctgggaag agc

383

<210> 2766<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa tcataaggat attcttattg tgaataccct
60gtagcagggt aatctggact caaatcaggt tgcccattgt tcccaaattc acttcattac
120tttcccaacc acttccccct taacttgctt tcccctgaac cgtagcaaat agtaatgcat
180gacaagctga taggagggaa aacatgacaa gtgaggttga gttagaaagg aaaagcaggg
240ctatgaggaa ctgaataaga gatcagattt gtatttttcc tttggagtct tgagaattgt
300aatatttgaa acccttggca gaaaataaaa tcataaccaa gtgactcaga anaaacatac
360taatgctaac tgt

373

<210> 2767<211> 379<212> DNA<213> Homo sapien

cgttgctgtc ggaggaggag gttgattatg atgatgatga ggaccagggg tcagccacac
60tctctcagac tctcagccc cagagagtat caggggtttt tcccgcctct catggacccc
120accactgcc catgactgct actccccgaa agcttccaga gggtgagagt gcaccacttg
180agcttcctgc cctcctgca ctgccccca aaatcttcta cattaagcag gaacccttcg
240agcctaagga ggagatatca ggaagcggaa ctcagcctgg aggagcaaag gaggaaacca
300aagtgttttc tggaggggac actgaaggga atggggagct aggggtcttg ttgccttcag
360ggccagggcc aacatctgg

379

<210> 2768<211> 338<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg gctgtgaatc agccatgatg ctgagtgcga
60caagagagga ctgtgcggct gggagggctt ataacaggat ttaacctagt tagggaagat
120ctgaggaagt gatgaaagaa tggaaatcaa tatgtaagag ctcacaagtc agagtgatg
180gtttcttcct atactgcctg cttctaataga gcattccactt cattgaacca cctcttcatt
240gagccaaacc taccatacag ggatacatc tctggaggaa agttgagcaa ctattgcatt
300tgggacatta aagtatgggt gggctgacag gtatgtgn

338

<210> 2769<211> 390<212> DNA<213> Homo sapien

ggcacgaggg caggcagatc acttgagccc agaagttgag accagcctgg gcaacatggt
60gaaacctcat ctctacaaaa aatacaaaaa ttagccagac atgatggtgt gtgcctgtg
120tctagctac taggaggga gaggtgggag gatcacttga gccagaggag tcgaggctgc
180agtgaagtgt gatcgagcca ctgtactcca gcctgggtga cagagcgaga cctgtctta
240aaaaaaacca ccaacaggga aaggccagga cgacgaggag aagttggtat ctttttgta
300gtccagagt ttgtgctggt gaaagaaggt taggatgtan aaaagggtatt tagagacata
360cagtggctgc tcttcagtat tcttcaagg

390

<210> 2770<211> 375<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaagggagg agttgggtga ttgacattgt tgagctctgc
60aggaaatctg ttagtctcca ttccggagg tcttgctatg tagaaaaatt ggatgacttt
120attgcttaag tcaactataag aatgttttct gttacctgca acccaatgca cccaactaat
180aaagtatgtt tctagaaata cacttgccctg cactcatttt ttaagacaca cagaccacat
240acacatggag agatattttt aaaggctctg tactacataa attgtactat tttttaattt
300aaaaaatatgg gccaggtgca gtggctcaca cctgtaatcc tagcactttg ggaggccaag
360gcaggtggat cacaa

375

<210> 2771<211> 379<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaggggtca ggagtttgag accaacctgg gcaacatggg
60gaaacctgt ctctattaaa catacaaaaa aaattagcca ggcattgggtg cacacctgta
120atcccagcta ctgggaggtg gaggtttag tgagccgaga tcatgccact gcactccagc
180ctgggagaca gagcaagact ctgtcacaaa aaatattctt cccagttttc atcatcatgg
240ctacaagtta ccaagggtcat ttgtttattt ggtcatttcc ttgagggcga gagggcaaat
300tgccttggtg ttgtaccagc gccaacctc tgatgtttgt tgaattaatg aacacccatt
360tttcagatca ggaaagggg

379

<210> 2772<211> 330<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaagggaaa gtatataaca aaaattgtat atatcaacac
60aattttaatt tcaaaataag aatgttgaat ttttaaaaag caagttgctg aggtaatata
120aatgtatgac acaacttata tatagtttaa acataatata acaagagcaa atagtaaatt
180atgaatttga atgcatatgt gtggagagtg tgggggtgag tgtggatgtg ggggggatgt
240nnnnnnntnn tgnnnngntg tgtntntann ngtnntttt tttcttttt ttgntttttt
300gggggtggtta tgttgtcagg ggtttggtt

330

<210> 2773<211> 348<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaagggcat acagttggga aaggaagaag caaatatatt
60tttatgtata gataattggg ggcacaaaaac attctagga accccaataa ttttactag
120aataaataaa attagcaaaag ttataatgaa acataatgtg gccaggcatg gtggctcacg
180cctgtaatcc cagcactttg ggaggccgag gtgggttgac cactgaggt agggagtttg
240agaacagcct ggccagcatg gtgaaacct gtcttacta aactacaaaa attagctggg
300catggtggtg tatgctgtga atcccagcta cttgggaggc tgagtcag

348

<210> 2774<211> 408<212> DNA<213> Homo sapien
gtcttgctgt tcttaacctt ccaaagcagg caagtagacg cacatgtgtt ttacacacgt
60cattggaaga aggttgcaa taccagcttg gttgcaagga aagaggcaat tgtgaggact
120ccttctcaca ctgcagtaat ttgctgagtg acctgaaca aggatcttaa tgcacagag
180tctgttttct caaccccaaa atgaagggat tggaccagat gccctcaagg ttcctcaagg
240gtcagctgtc acagttctcc aaagtgaatt ttcaggcaga catagagtta gccagtgtcg
300cctcaccagg acattttgtt ttctgaacat tgggcctctg tggtttgta catacacca
360ggggactggg ctcataactc cctgaagaac ctctgccag aacaaagg

408

<210> 2775<211> 337<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaagggctt tcataatac ctaactaatg atgtcactct
60aatgcttaaa catgcttcag tagcctcagg ataaaactct gtggttaagg atcaaaagga
120ctcaaattgt aggtcccaga gttctacatg gggagcatct acttgttgct tgtatcatgt
180ctttctcaac ggtccctatc gcctagaaga agagttaatt gcttctttct tactgtcatt
240tcatgccttc agaataaatg tatagcatat ttcaccaggt tagaaactcc acaaagggta
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337

<210> 2776<211> 338<212> DNA<213> Homo sapien
ttactgttgc gagaagacga cagaaggggc tgggggagct gcctgtgccc tggcctggcc
60aggaggtccc tctgcccgt cagctgcccc tgcaactgca cgtcccatg ctctgcagt
120cccaccagac agacacctct taggaagcgg catgctccct gggacaggcc ctgaggcatt

180acggcctctt gtgaaattat caaacgtcac cagggtgccag aggcaggtgg gcagaacgag
240gctgaggttc actgggatgc tgtgggttaag gcctctgctg acctgtgctg tgccggccac
300tgggagtgtg aaatgagcaa acgggaacag aagggtgg

338

<210> 2777<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtct gttttgtaga gtaaatacgaa ggatctgttt
60tggtatataa cacatttact ttccataaat ggtgttatct ggcaggtatt ttttggcttc
120cagaataaaa gtttttaaat taaaaggggt atccaagtat ttttaggagc ctagtatttc
180ctcacttact cccaaactct aaaagtagat tggctttatg ttaaacagag aattcgtaca
240gaaaaaatct tcaggactgt attcattcca taaataatgt actttatttt attgcatatg
300gctattaagg agggcatcca tgatcaatac agactaaata caatgcacta ttctagtcca
360gtttattctc gtctcc

376

<210> 2778<211> 357<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtct attactcgac tttgaatttc tcacacagct
60ggcattaaat tctcttctc aagaaactta caagtagttg tagattatta tcaccagagc
120tgtcaatata tgtatctgca agaaactgcc agaaaacagc cagtatacct gtaaaggggt
180caagctaaat agaatttata aagacactat tacagagata taggcagagt tagggactgg
240caccaggaa ctcaaatag caggagccg ttagcacctg cgatgggctg aatcatgttc
300ctccgagact cacaagttga agcctatcc ccagtacct gataatgtga ctgtatn

357

<210> 2779<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaaggggga gaggaccag atgggcttgt tgaagtacca
60gtgggttaatt ggtgaagtgg ccaaggggtat gaggagtgcg gggtaataaa gaaagagcaa
120gggaagggaag ttgaggtgtg gtataagcag ggaaagctgt tggatgcaag gttggagtta
180gtgggggctg gaataaaaag atgtgacct acaactatta atgctgtctt gttaaaca
240atgatttgtg tggatctgtg tgaaattctg acttggctag cctatttcaa aatgcacgat
300gaggttgttt taaatgaac ttacgaattc agtttttccc tatttcccgg accgtgattt
360gacatatctc acagg

375

<210> 2780<211> 337<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggagga cttaaaacaa taagcathta ttactgatct
60gaagtccaca ggtcatctgg gtcagtctct gatctgagcc agcctactc actcatgtgt
120ctggtccact ggcagtttga aagggaacct aattcacatg tctggcagtt ggctgaatgt
180tggctagagc aataggatga ctagaccata taccttttgt tctccaacaa acagttgcag
240gggaccaggg gagcaagtgg aagcatgcaa tgcttcttaa ggtctagtat cagaagttgc
300acactgtcat ttccactgaa ttatttagct gaagcaa

337

<210> 2781<211> 391<212> DNA<213> Homo sapien

cgttgtgtc gggacaaagc aaaacacata ccataaatgc ttatcattta gatcccaggg
60gccccaaatc tgaactggag catgagtttt atgaattaga acctctggct tcccacagct
120gcactgcccc tgagaagacc acttatgaag agaccacat ctgctctgaa tttttcaaca
180gccaagcaaa gaatttaggg atgctgtgc atgcagctta caacagtga ctcagcaaaa
240gcactgaaag tgacgtggc tctgcttgc tacagcccc tcttgaaacag cataccgtgt
300gtcacttctt ctctctgaat cagagatgta gctgccaga tgcctacaaa cacttgaact
360atggcccaca ctcttgccag cagatggggg a

391

<210> 2782<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg aaggggaagg caaatactgg atcttgggaa
60ccactgtaat ctactttgtg tctagcctat ttctatatc cattgatggg tcttgccctg
120gctgtgcttt cctgttggct ctctttgatg ctggattctc tgtaccctgc tcccactg
180cctcctgctg gctttctca gatatcaagg accaagtagt cacatttccc ctaccatgca
240ttggtgtgc ttcttactg aagaaaacac ctagggactg accactctc cctccacca
300gatcttccca acccagtgtg ttctgaggct ttagggttaag gcagctagtg aaatttttct
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378

<210> 2783<211> 362<212> DNA<213> Homo sapien

ggcacgagat gaaggcccat gaggcggctt ttattgaaca ggaacaaaaa gaagctgttg
60cgtgagctga gaaagcaccg ggagcgtgtg gagctgatga tggatctgcc tggggtttcc
120attgcagacg aggggggagac tggcatgttc tccttgtgca ccatccgggg tcaccagtta
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240agggatgata tctatgtgtc agatgttgag gacgacggcg atgacacatc tctggatagc
300gacctggatc cagaggagct ggcaggagtc aggggacatc aggttctaag ggacaaaaag
360cg

362

<210> 2784<211> 336<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcag ggacatgtct gaceccaccc agtgcccagc
60tcagagcctg ataagtgtag gtgcccaggg aatgtgggtc agtgaacata agagaggact
120tcatggagcc caggcgtggg cagggcactc cgtgggtggg tgctgagtga agaggcaagt
180agatgaaagg gcccagggtca tcctggccat gtcaggagca gggaagggcc cacctggtgg
240aggggatggc cagaggagct gtggggcagc attgcgggca ctcacctggg gggcctctca
300tccccattgg gcccgactg ccggcatctc ccttgg

336

<210> 2785<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggctg tagtcccagc tacttgggag gctgaggcaa
60gagaatcact tgaacccggg aggcggaggt tgcagtgagc caagacagca ccactgcact
120ccagcttggg taacagagcg agactctctc aaaaaaagag caacaacaac acaaaaaaaa
180accatagcca tatggcttga gtaaggaaag acagagtgtc tatttgttga gatggggatg
240acagtgaaaa gaggcggctt ggggtggtgg aaagtgcaa tgtaagtgtt cgattttgga
300tatacttaat ttgaaacgtc attatacaac caagtggaga tcttgcattg acactggaga
360tacatggcca aaaatatn

378

<210> 2786<211> 373<212> DNA<213> Homo sapien

ggcacgaggc aagatggagg cgactacggc tgggtgtggc cggctagagg aagaggcgtt
60gcggcgaaag gaacggctga aggccttacg ggagaaaacc gggcgcaagg acaaggaaga
120tggggagcca aagaccaagc atctcagaga agaggaggaa gaaggcgaga agcacaggga
180acttaggctg cggaactatg tcccggagga tgaggacctg aagaagagga ggggtgcccc
240ggccaaaccg gttgcagtgg aggagaaggt gaaggagcag ctggaggccg ccaagccccg
300gcccgtcatc gaggagggtg acctggccaa cctcgctcct cggaagcctg actgggacct
360caagagagat gtg

373

<210> 2787<211> 410<212> DNA<213> Homo sapien

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410

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407

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120tgggaagattt caagaaagga caactcactg tacacttgag aataatacct acagagggttc
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240ttctgtgaagg aagtgggtgtt ctttatacat caattattac aaaaagcagt gaattgtaag
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388

<210> 2790<211> 334<212> DNA<213> Homo sapien

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334

<210> 2791<211> 399<212> DNA<213> Homo sapien

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399

<210> 2792<211> 395<212> DNA<213> Homo sapien

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395

<210> 2793<211> 372<212> DNA<213> Homo sapien

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372

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372

<210> 2795<211> 393<212> DNA<213> Homo sapien

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393

<210> 2796<211> 353<212> DNA<213> Homo sapien

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180ttaaaccact ctttttcaact aactgattta caagatgata tacctacaac attccagggg
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353

<210> 2797<211> 379<212> DNA<213> Homo sapien

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379

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380

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340

<210> 2800<211> 368<212> DNA<213> Homo sapien

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368

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413

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344
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386
<210> 2820<211> 380<212> DNA<213> Homo sapien
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120cgagctggc cttaggtggg caccatagtg agatcctgaa ggcttcgaag aggccacaag
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380

<210> 2821<211> 396<212> DNA<213> Homo sapien

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120tggtgacctat cctacagaag aggggtgcat ctcttggaa gtgaaagacc agctgctgct
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240ggacatgatg cagttttgag actgggtggag attcgcacgg ttttggaaaa gcttcgtccc
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360cttagtgaga atgaccact tcgttttaag cctcag
396

<210> 2822<211> 382<212> DNA<213> Homo sapien

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60tttggcaaaa tgtttagaaa gtgagaagga tggagtgtt aataaagtca taaaaagcaa
120cattcgctg ggaaagttag aggaaaaagt caagggtctac aagaagcagg cagcactgaa
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382

<210> 2823<211> 382<212> DNA<213> Homo sapien

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120gatgagtttt caatttacca gggatacata attttaaat tgtatacccc taacagcata
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240cattttcaca catctcacag agggacattt tcacacatct ctctcaaat tgatgggtca
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382

<210> 2824<211> 405<212> DNA<213> Homo sapien

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120ggaggttgca gtgagctgag atcgtgcccc tgcactccag cctgggcgac agagtggagc
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405

<210> 2825<211> 418<212> DNA<213> Homo sapien

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418

<210> 2826<211> 404<212> DNA<213> Homo sapien

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404

<210> 2827<211> 357<212> DNA<213> Homo sapien

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180aaaacactga actgttggct cacacctgta atcccagcac tttgggaggc ggatcacaag
240gtcaggagtt tgagaccagc ctggtcaaga tgggtgaaacc ccgtctctac taacaatata
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357

<210> 2828<211> 361<212> DNA<213> Homo sapien

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300cgcaggggct cagcctgta gactggcact ttggatggct gaggcgggga ttgcttgagg
360c

361

<210> 2829<211> 375<212> DNA<213> Homo sapien

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240gggttacttg aaactccggc cccccggcca aggggatttt cgggtggaat tttttaaaga
300agtgggaacc ccccccccc cgggttaatt ttggattttt aggaaccaac aagttttccc
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375

<210> 2830<211> 378<212> DNA<213> Homo sapien

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120ccacttcagc ctcccaaagt cctgggatta taggcatgag ccagtatgcc cagctgttac
180ttttttttta gccattggga aaagtgtttt aagttacatc ttgtttgctg atatataaac
240tacaagtgtt ctgttatgac ttgaattca caatctttct aaacttaatt aattctaatt
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378

<210> 2831<211> 371<212> DNA<213> Homo sapien

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371

<210> 2832<211> 375<212> DNA<213> Homo sapien

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180aactagctga atataaatca caaacttgaa aaaactactt ggaaaccact agtttagttt
240ttatttaaat ttaaaaaat ggtaataaag cacataactt atgtgacatg gaagcaaat
300taaaacattt atgagtaatt atatttttaa agtattagat acctagctc aacaatagca
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375

<210> 2833<211> 348<212> DNA<213> Homo sapien

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180ataacagaat taaatctttt tagctattgc tatgtgtctt gcctgtgcat ctaatggaaa
240ttgtatacat ccttgccctca ctgatttagg gcttgataat atgacataat ttgaccaatg
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348

<210> 2834<211> 348<212> DNA<213> Homo sapien

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180cataaaaaata atgcatacta agtatctggc attcatagac ttccctaaa tacattaatc
240acacattatc agctcctgct gttaaagata ctacaggctc ttgaaaaatt ccctcttagt
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348

<210> 2835<211> 379<212> DNA<213> Homo sapien

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120aaatgctgga gaaggaataa aaaaggaata atccaacaag gatcaagaga acaggaaagg
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240taattgactt aacagagaaa gctacaacct cactgattac agaggggaac acggaaagga
300ggcaagccta ttaccacca cagaatcctg gaaaaattca gcaattggaa gtacaaagtg
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379

<210> 2836<211> 374<212> DNA<213> Homo sapien

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240gtcaattcca ccacaacaaa gaggttgatt acaaagatcg tcaaagagct cacatgaaaa
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374

<210> 2837<211> 372<212> DNA<213> Homo sapien

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372

<210> 2838<211> 378<212> DNA<213> Homo sapien

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120tatctttttt gcatttgagt gtaagaaaag gaaaaagaca gtttgatgat ggaagttctg
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378

<210> 2839<211> 344<212> DNA<213> Homo sapien

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120gcagtttaga agttcccttt ttttgtaatt attggacagt gtagagaccg gatggtgaga
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240tttcatttca ttaccattcg tgtaagggtg gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt

300gtgtatatct agtttctcta tagaacatat atgggagaga gaga
344

<210> 2840<211> 347<212> DNA<213> Homo sapien

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120cgccactgca ctccagcctg ggtgacagag caagactctg tctcataaaa aaaaaaaaaa
180aaaaacattg ccttgggggg cggccgcgg ggtacaatg tccaacccgg aaacctttgg
240gggtgctgggg gtgctgttcc ccaagccaag gttttctccc cccccggccc cccccgggga
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347

<210> 2841<211> 347<212> DNA<213> Homo sapien

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180tagaatttct ggatcaaaaa caaagcagg cagatcacta agatttggtc agacacaaga
240aaataatgga tccaagaaag caagtttctt atggttaaga ggttaagtaa caattgtaac
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347

<210> 2842<211> 346<212> DNA<213> Homo sapien

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120atacctcaag aacctggcct atgcctatag ctgacctctt gtccagtact tccaaatgac
180tagaatttct ggatcaaaaa caaagcagg cagatcacta agatttggtc agacacaaga
240aaataatgga tccaagaaag caagtttctt atggttaaga ggttaagtaa caattgtaac
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346

<210> 2843<211> 346<212> DNA<213> Homo sapien

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60catatgcact aacacatggt tgaggtacag aattgaagct gatttttctg ctaaagatga
120atttctatta acaatcccat ttttatattg tattattaaa acaaaaatac ctctctttgc
180tagagagtat atgtatgact tatattatta actatggttt gcatttaaca catggccgat
240tgccctgtaa tctgcttatt ttaacaacat acggtgctgg gcacagtggc tcacgcctgt
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346

<210> 2844<211> 373<212> DNA<213> Homo sapien

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120agttaaatta gataagggaa aggagaaatc ctaaatttga tggattcttt tatactgtga
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240tgacttattt gcatatttaa gccctattca caagagacca taatcatttt aatcttatat
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373

<210> 2845<211> 345<212> DNA<213> Homo sapien

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120ttaagtcact gaaagtgtgt actacaaaag acttccatcc actattagct gatattcacag
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240agttatttgag tctgatccct tcgggcgagg cctcattccc actttcatgg ctggtttggg
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345

<210> 2846<211> 374<212> DNA<213> Homo sapien

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240ttttctcttgg tattagattc agaaagccag cgattagaag agatgctaac tgtgtttgga
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374

<210> 2847<211> 351<212> DNA<213> Homo sapien

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351

<210> 2848<211> 345<212> DNA<213> Homo sapien

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240tcagaatcg taaagggata tgctcagtct cacagccagc cgtgggatct cagtcccaac
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345

<210> 2849<211> 368<212> DNA<213> Homo sapien

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368

<210> 2850<211> 347<212> DNA<213> Homo sapien

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120ctatccatga aaaccaacca caaatccatc tgtactacct accgctcatc ttctctaaaa
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347

<210> 2851<211> 343<212> DNA<213> Homo sapien

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120aatgcatgaa agttgactta gtatcttttc catcttcacc tattatgggt gataatgata
180gctctggtac aagtgataag gatcatagt aaataacttga tgggaattagt aacataaaac
240tgaattcaga ggaagtaaca cagagccaat tagattcctg tacaagtcac gatggtcac
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343

<210> 2852<211> 374<212> DNA<213> Homo sapien

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120ccctctccag cttcacgtcc tcaggggtac agatacagcc ggggctggtg gtcacagcaa
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240tgctaggtca gagccaaggg gatccgtggg aagcatgtga tggggcaggg cagagggctg
300gggcaggggt ggagttcagc acaggagggtg tgctcacagt ggggcgtagt tgtaagtgt
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374

<210> 2853<211> 377<212> DNA<213> Homo sapien

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120tcttaaatct acaccagaaa accatcctga gacacctaaa aaaaagtctg atcctgagct
180ttcaaagagt gaaatgaaac aaagtgaag tagattagca gaatctaaac caaatgaaaa
240ccgattggtg gagacaaaat caagtgaata taagttagaa actaaagttg agaccctaac
300agaagaactt aaacagaatg agagcagaac aactgaatgc aaacaaaacg agagcaccat
360agttgagcct aaacaaa

377

<210> 2854<211> 371<212> DNA<213> Homo sapien

ggcacgaggg cagaggttgc agtgagccaa tattgcaccc ctgcactcca gcctggggcaa
60ccaagtgaga ctgcgtcttt taaaaaaaaa aaaaaaaaaa aaaagggggg cggaaatttg
120ggggggggggg cccaaatttt ggatttttaa aaaatttggg gccggggggg ggggcctaac
180ccctaaaacc ccaccttttt ggaaggcaag ggggggggaa aaactggggg ggggggttca
240aaaaccaccc gacccaacgg ggaaaaaccc ccgtttttat aaaaaaaaaa aattaacccg
300ggattggggg ggtggccctg aatccccact ttcccggggg gtgggggagg gaaaactggt
360taacctgggg g

371

<210> 2855<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg ggaaaggcag agaatgtctg aattcttggg
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120ttctgcaatc tcaatctgtg tggggtaggc tggatatctg agggccttgg caattccttc
180ctggaatatg gggaggagag gagagaagag tcanggccca ggcttgggtc agcctatggt
240cttgacaggg ggagagcttt ccacagccag gectaccatc aggggaacaa ctggagggtc
300ttaacatgc ccaggactca aatccccgct ctctacttt tgggatg

347

<210> 2856<211> 329<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggact ctgggtgccc agacaacatc caggcctttc
60cccgtaggca gcgctgccag gaggcagcag tgaaggtccc ctgggtcttc tggccccagc
120ctccctccct gtccacctt ctgcagtgc aggcactcgc ttggcctca ggacacacct
180gccttgctcc ctctgcaggc cataacatcc ccttctctg acctcttcta aaatctcctc
240cttcacgtgg ttcttcata ctatggccca ctggactact gagcctaate atccaaaaat
300tgaaacccct tttctcaag ggtgggaag

329

<210> 2857<211> 325<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa ataatcatga aaacgatttg cggaatgaga
60taaaacttca gaaattagat gaccaaattc tacaacttct aaatgaaact tctaattcaa
120tagataacgt tcttgagaaa gacccagac caaaaagaga cacagatata acttctgaaa
180gtgactatgg aaacagaaaa gaatgcaata gaaaagttcc tcgaagatca aaatccctt
240atgatgccaa aaccattcaa actattaagc accacaataa aaactacaac tcttttgtaa
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325

<210> 2858<211> 380<212> DNA<213> Homo sapien

ggcacgagag agagagacat ctgacttact gtagatgagg nacctcaatg caacgctgta
60gctagctgtg acaactgatt agtcctctgg gaagacaagc gggttatatt ctacgaacca
120tgtctgatca attagtagtg gctgcctaga actgcactgg ccaatatgtg aaccattggc
180cacatgttgc tacttaaagt gagaaattca ttgcttcagt cacttagcc atattacaag
240tgtcttatgc ccggacactg aacatttga tcatcacaga aatttctatt ggccagcgct
300gacttagaac gtcattgttg gaagagaagt gaggcctgt ctaggaagca tgagagatca
360tcatgggtcca ttagcaatgg

380

<210> 2859<211> 463<212> DNA<213> Homo sapien

cggttgctgc gctctctcg aggtgccccg ctgtgaccag cagacctgca cacagacgca
60agacaggata aacatctggg aagcacaggt atatgaggca cagaaacaca aggcactgtg
120gatgcctctt ctgtctggac agaaaactgg agtcaggaga cctctctgag tccccagaga
180cagaatcatc actactgtgt gtccttgga cttaaagtag taaaaaaaaa aaaaacccgg
240ccgaaagttc acagcttgca ccttgaaaaa ggaccctcac aaaaacccaa ccattgctgg
300acctgatttg ggacttccaa acttccaaaa ctgtgagaaa aaaaatatgg ttgtggttta

360taagccaccc acactatggt attttattat accaccccaa ccaaacgggt agggtaaagg
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463

<210> 2860<211> 422<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gtttagagta tagagagaga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagacaga gagagagaga
120gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagcgccc
180ctctctctct ttttttcgtg cgctcttgcg atagatatct tttttctct ctcgcgctg
240ttttctcaca cacacacaaa aaagcgctct cccctacac gccccccct ctctgtggag
300tgtagaatat gtgtgcgcgt gctttcttct tctctctctg tgaggggggt tccccccct
360tcgtttgtgt gtgggtctct tatgtgtgtt tctctctcgc gcgccgcaca ttttaaaaaa

420

422

<210> 2861<211> 380<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtc tgagtatagc aatatctgtc ttcaaaatgc
60aattttcatc catcagatct ttcatttctt catgattatg aaaatcctaa ataaaaaac
120agaaagtgtt agctagtact caataaaata acatatcatg attacctctg aagttaaaga
180ataacctgca catccatgca ctaaaaaggt tactgtaagt ggatatccaa ctggagaaaa
240agttgaagca aaattttgaa ccttatagag cataaattcc aaaaagttca gaaatttatt
300taaagtcaat gaatttataa aagtaaacac gcacacacac atgcacacca gagagttttt
360aagagtttca gaattggaat

380

<210> 2862<211> 450<212> DNA<213> Homo sapien

tcttcttttt taggatccca tcgactcgaa ttcggcacga gtggtgttcc actagtatgt
60tgaaaatgtc atatcatgga gaatggagac accttccagg tgtctgttaa acccatcttc
120tctgtgtact tctggcatct tttttggtag gatcatttgg caggggggag ggggtggaag
180cttttggcac cattgaaacc agttctggcc catttgtttg aatagctaac atacacatca
240gctctatacg ctccatatac cacctgatag aaccctgaa taatgctctt gaaagtgtaa
300cactcatgct tctaccaca agcaattaac ataaagctta tacgccagct gtacgacgcc
360cattgtttac ataactcttc tacttttaac tcaaccatct tttgcacccc tcgattcgat
420cagctccacc tctagtctct acgtatcgtc

450

<210> 2863<211> 398<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa gagctctagt tctttgacag ttgcagtgtc
60aatggcttca agtttattga atgtctcaaa attatgtttt gagtaaggcc tttgccttca
120ctcaaatatt caaattattt tcatcataat ttaaattctc aaatatatag tgttttattt
180tcagatatga tatatactgg aaacaggggc aagtattctt tatcaatatg atacttttag
240aaaaataattg ttttcatttt tgtgaaattt atttcagaca gtctcaaccg ccagtgaact
300acagaaacca atttactgga ttgtagctgg taaagccctt gattatgaac agatgctgct
360tctcatggct aatgtgaaat gggatgtaga aaaaaata

398

<210> 2864<211> 408<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
60gagagagaga gagagagact ctctctctct tacatagcta gatatacaca tatacacaca
120cagacagaca cacctgggtt tgctctcccc cctctcttgg tgctcccaga gctacgcttt
180ttttgtgatg tctctcgcgc tttctctctt tgctgcacac ctctactgcc cccctttctc
240tttttctctc tcgcccgcct tttttttttt ttctgcacac actgcccggg gtgaaactcg
300ttcccccccc ccgctcttt ctttttttat gtcacgctcc ccgaggagg cgtggctgag
360aatggcttcc atggagtctc cccgtgaatg ctttctctcg ccacaccg

408

<210> 2865<211> 399<212> DNA<213> Homo sapien

gatcaattcg gcacgagagc atgtgaaaag tccctggggc agaatcaagc ttggcatctt
60caaggaaatg acagagaggc ccatgttgca tgggtggaga ctggcatgag atgaggctgg
120agaaggggtca ggccacacag ggctggataa agggctctga ctctattctt ggtgtgatgg
180gaagcccttg gaggatttta agcaaaaatg tgccacgatt catgctggtg ggtctgtgga
240agatggattg ggataagggt gggagtaggc tggaagggtg atctacacaa ctccatcctg
300ctatgaccgc tgcccttaac tatttaaaag accctggctc gaaggggtga ggaggacatt

360ttatcggaga cagagccctg agggacctga ccccatggg

399

<210> 2866<211> 388<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat gaggaagaaa tacgaaagca gtaaaatgaa
60caatgagaat ctgttaccga aactgatata aactccctca gaaagaaaga tactactccc
120taatcctgga agtggttaagt ggcaataatg atcaaatgtt gtaaagggga ttgttactac
180agctaataatg aaatgggagg ctggactaaa tctaaccctt ctacccttga tttcaattct
240aaaaggacac gtactaccat tgcagaaaga aaagacagtt ccaaatagata aatttttagag
300ttgttttgct aggatgcaag agaaattgga taagtggacc actcatatctg tgctgggtgag
360atatgaaata gtagagccac tgtggaan

388

<210> 2867<211> 409<212> DNA<213> Homo sapien

ctggagtgcg gtggcaccat cttggctcac tgtaacctct gcctctgggg ttcaagcaat
60tcttctgcct cagcctcctg agtagctggg attacaggtg acccgccac ctgcggcctcc
120cgaagtgcctg ggattgcagg tgtgagccac tgcgtccagt ctgcggcgca agtttaagaa
180gagcatattg tcatggcctt acatcagtta tatgctcctg ggtaacaaac taccctaaaa
240tgaagcgact taaaacagta agtccttggt catcatcatg tgggagtatg gatgtgggca
300gggctcatct ctgttactg tgcgtggccac gctagcaagg gcaattaaca gttggcaggt
360aggtcggctt gtgcttccca ttgccctcac ccacatgggc tttcagccc

409

<210> 2868<211> 413<212> DNA<213> Homo sapien

ggcacgagga agtaaccacc attcccacct ttcactgcct aggtcccaag tctgaatata
60tttttgaaat aggaactccc ttttgcaaaa aagaaacctg ggtgtcagtg aggtgaagtg
120acttgcccta tgagcagaca gcatgccaaag aatggaatta ggctcaggat ccagcctggg
180ctcacctgt gtggctcatt cccaccaggg aaactgaaga taaaagattt gggaaaacac
240accaagaaaa aggggcagtt ttctttgccc aagcatttgg tgctagttag aggtgttca
300ctctctcctg ctctctctcg gtagtagaat aaaggctgtg acacaaggaa gccagtggg
360tgggaggagg gcaccataat cctccctat aaccacaga agactaacct gat

413

<210> 2869<211> 401<212> DNA<213> Homo sapien

ggcacgaggg aggcattcac ccaccagtg ggaatcggga tgcgttactg attcagcata
60tctgccttgg gtgtccctgg gtgtggcagt cgggaaggca ggctccggtc gggatggcag
120ggtcgggtgg cctgaagaag cccccacccc agcagggagg caggatcca gttagcagga
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240agtgcgaagg cctgatatg ggaccaggaa aaggagctgg ggctggggcc aggtggaggga
300agaggcagcc tgcaagagtg ccagatgggc ccagtggggt tgtgtgtgca gaagtgcgct
360ctggctccca ggtggagtgg ggcttatagg ggctcaggaac a

401

<210> 2870<211> 414<212> DNA<213> Homo sapien

ggcacgaggt ggtgctggcc cgggcccagcg gggccttgcc cctgagcgg ctgagccggg
60ggtctggggg cactctcag ctgcaccatg tggacgtgtg gccctcaac ctgctgcggc
120cccgggttgg gcccggtat gtggatgtct gcggcctctt cctgctgcag atggcaacca
180tcttgggcat ggtgcccgct tggcatagcg cccggctccg gatcttctg tgctggggc
240ctcgggaggc gcctggggcg gccgaggggc ggctgcgggc actgctgagc caactgagga
300tccgggctga ggtgcangag gtggtgtggg gcgagggggc cggggctggg gaaccgagg
360cgaggagga aggggacttt gtgaacagtg ggcgngaga cgcattaggca gagt

414

<210> 2871<211> 398<212> DNA<213> Homo sapien

ggcacgaggg ggaacgcaca aaaaatgttt tctccaaaga agcattcggg tagcacaagt
60gatagaaacc aggaggagag acagtgcatt aagacttcat cactgtttta aaacaacct
120gacattccag aactccacag acctgtggtg aagcaggtgc aagaaaaagt gtttacttca
180gctgcttttc atgagctggg cctccacca catttaattt ccacaataaa tacggtctta
240aaaatgtcta gtatgaccag tgttcagaag caaagtattc ctgtgttgct ggaaggcaga
300gatgctctcg tgagatcca gacgggctca ggtaaaactc ttgcctattg catcctgtg
360gtccagtcce ttcaagcaat ggagtcaaaa atacaggt

398

<210> 2872<211> 402<212> DNA<213> Homo sapien
cacgcgagcc gagccaagat gtccaaccga gcgggttgtc gatatttttag ccacgccggg
60agctggtaca cagcctcagg accgcagctg aatgcacatc tagaagggtg gctttcacaa
120ggacaggcta caattagacc tgctagagcc attattgccc cccggagaat tatcatcctt
180gggccttctc atcatgtgcc cctctctcga tgtgcacttt acagtgtgga tatatatagg
240acacctctgt atgaccttcg tatcgacctt aagatttacg gagaactgtg gaagacagga
300atgtttgaac gcatgtctct gccacagat gaagatgaac acagtattga aatgcatttg
360ccttatacag ctaaagccat ggaaagccat attgatgagt tt

402

<210> 2873<211> 391<212> DNA<213> Homo sapien
ggcacgagag gacgtggagc gctgccttcg ggacacgggt gtgcagggcg tcatgagcgc
60agagggcaat ctgcacaacc ccgcgctgtt cgagggcccg agccctgccg tgtgggagct
120ggccgaggag tatctggaca tcgtgcggga gcacccttcg cccctgtcct acgtccgggc
180ccacctcttc aagctgtggc accacacgct gcaggtgcac caggagctgc gagaggagct
240ggccaagggtg aagaccctgg agggcatcgc tgctgtgagc caggagctga agctgcgggtg
300tcaggaggag atatccaggc aggagggagc gaagcccacc ggcgacttgc ccttccactg
360gatctgccag ccctacatcc ggccgggggc c

391

<210> 2874<211> 382<212> DNA<213> Homo sapien
ggcacgagcc aagatgtcca accgagtggc ctgccgagaa gccagtcacg cccggagctg
60gtacacagcc tcaggaccgc agctgaatgc acagctagaa ggttggcttt cacaagtaca
120gtctacaaaa agacctgcta gaccattat tgcccccccg agaattttca tccttgggccc
180ttctcatcat gtgcccctct ctcgatgtgc actttccagt gtggatatat ataggacacc
240tctgtatgac ctctgtattg accaaaagat ttacggagaa ctgtggaaga caggaatgtt
300tgaacgcagc tctctgcaga cagatgaaga tgaacacagt attgaaatgc atttgcctta
360tacagctaaa gccatggaaa gc

382

<210> 2875<211> 386<212> DNA<213> Homo sapien
ggcacgaggg cggctgcgc gggacatcag tgagcgcggc cgggacatcg aggggtgtcat
60caagcagtac aacaagtttg tcaagccctc ctgcaccag tacatccagc ccaccatgcg
120cctggcagac atcgtgggtc ccagagggag cggcaacacg gtggccatcg acctgattgt
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240ggcacaccag tgccaccgc tgccccggac gctgagcgtc ctgaagagca cgcgcaggt
300acggggcatg cacaccatca tcagggacaa ggagaccagt cgcgacgagt tcatcttcta
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386

<210> 2876<211> 367<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaaggggtt tgctataaac gtgtgtttat ttagtcctaa
60tgttgttagg atgatttcta cttgttattt aacctcacc tgattttacc acaggcttat
120attgacataa ttttaactta gtgcttctca agggagattg ggggtggagtc aggatgtttg
180gaattacctt ttggattgta acagactatt ggccaggcaa gctaaaagtt ttgcagtact
240gatgagctgt agggggaaga attgcttcag ccaaaatgcc actagctccc cttttgaaaa
300cagtacaagt ttaacttaaa ctaaatctta atgacagtga aagttaattc ccagttatta
360tctttga

367

<210> 2877<211> 357<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agagggggat acaactaaag aaagagatac acgatgacct
60agatatatga gtgaagaaat tatccagaat gtatcacaga gaaggaaatg ggcaaaaaga
120aagagggtaa gatatatatt tataaacaca cacatacaca tattacataa aatgagaag
180tgacatgtct ttcattagtt ttccaagagc agaagggaaa aataatggga aaggaataga
240caatatttga tgagataata gttgagaatg tttcagagct gataaaaagc accatgacaa
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357

<210> 2878<211> 376<212> DNA<213> Homo sapien
ggcacgaggg gctaccaatt tgagaccatt ggtctggtag atacactttc attaataac
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120tgagacctt attaaaatgc agcttctgat tcaagtgcgt ggggtggggc ctgagagtct
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240ggaatgatat ggagccgtcc attattatcc catctgacaa atgagtcaca gagcccttag
300gtaattgagg tgggatcagt ctgattctgt aagctgtgtt ttcagccaca acatttactg
360caaacttggg gtaggg

376

<210> 2879<211> 367<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggctg gtaaagatta tttaggttcc cctgattttt
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120aacttcatgt tctgagcagg atagtgcatt cctattgtac ttgacaggat gaagtatctg
180caagatgtgc cttcaggcag ttaaataact tgacctgctg ttgaaatct tttttatctt
240ttattttatt ttattttggg ttattttatt atttttttga gacggagcct cactttgttt
300cccaggctgg aatgcattgg tacgatctcc gttcacacgc tctgcctcct gggttcacgc
360cattctc

367

<210> 2880<211> 364<212> DNA<213> Homo sapien

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120agtgggttaa cagttagtgt attagtggc actcattttg tcacatgatt caggatgact
180gggggaaaaac aggatattgg ggtatatctt taactttttc acttctaaga taatctacag
240tttccctacc tctcgctcat accttcccta tccaagatca gaacttcaga ccgtcccat
300gggaatatga gggctgggta gaaggagag gaacttgta caggtatttc tgaatttcag
360tttg

364

<210> 2881<211> 369<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtaa ggtgctggga tatggctgag aacaaaacaa
60agtccccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggatca
120caggcaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaaacaa
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaaagtagc cctgatacca
240aggagacaat aaaccactac ttcaggactt ctagtatttt aagacaaata aactggtttt
300gggttaagtct ctgttaattt gtttttcttt acttacagct gaatgaattc ctgagaccgt
360gtgtaggaa

369

<210> 2882<211> 334<212> DNA<213> Homo sapien

tacggttgcg agaagacgac agaagggctc aggtacaac cctgcacata tatcccagaa
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120atcaaaaagac cttttctgtt agagtctaac aatgttcaaa tttagcttct tggaaataac
180tttttaaatag ctaagagcgt caacagaaaa ctgtggacta caggaaaaga actgcttcat
240atttcccga tcttctcaaa cttgggtatct gcatatcaat gactttagat tttattttta
300tgttgctgtt acttttgcta aggaagtatt atgg

334

<210> 2883<211> 341<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaga cgaaatagta ctcatgagaa aacctacaag
60gaaatagaca atagaatgag gcagaggttg cagtgcgtg agatcacaca ttgcactcca
120gcctgggtaa gaagatctca aaaaaagaaa gtgtcatcat ctactagatt ggaaatatca
180gatattcttg agtctttctt ctccctcata tacaggtagt catccagttc ttcaaaatct
240cggttgaaatg tggcttcccc tccagccagt ctactgcta tcagtactta cctgtctgtg
300cattagcccc caccgacctc tatcccacca gcatctgctt g

341

<210> 2884<211> 352<212> DNA<213> Homo sapien

tactactgct gcgcgaagac aacagaaggg acacagaata agttctatag atctaagtta
60cagcatggag actacagtta ataatactgt attgtatatt taaaatttgc aaagagtaga
120tcttaagtgc tctcaccacc aaagaaagggt aactgtgaaa agagatgtaa actctatctg
180gactagagta acctcagttc actaaggcca ttatgaatat gtatatcaga acatcatgct
240atacacctca gatacacaca atttcaatta aaaaatttta aaaagaagaa atcagtcctgt
300gtcacattcc agtgatcttt gtttcataca ttgctttggc tgaaggaagg gg

352

<210> 2885<211> 344<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggg ggaggatttt tgatttttct actttttggt
60gaaaaaagga atttgtactc tgtgcattgg atggacttgt ttggtacttg ggattttcct
120ctcttaaccg tcaacatcag tgttggaat ttgctaaact gattcacttt tagcagcaga
180ctttgaactg cagtcctgcc aacgttggac actgaggacg cccgacagag cttgtgcacc
240taagctgcag accaagcctt tgcccagaat ttaaggattc caatggacga cctatttgca
300cagaactgca tgctgattat cactgccttt actccttttt tttt

344

<210> 2886<211> 335<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtt aaaaaagaac catggagacg gatgcattaa
60ctaagcccag gggccttttt tcaatcctca tctcacttga cctgttgggt ccatttaacc
120agatctcttc cttgaaacgt ttttattttt ttttacttt gcttccagggt tttgtttaca
180tggtttctgtt acatgtttaa cttctttctg ttggagtgcc ccatggttca gtccttccac
240ttctcttttc tgtccacact ctgggtccaa tttcattcag attcattcat gatgtaatat
300accacctata agctgatttc gacacttaag atcag

335

<210> 2887<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtt ccattcctgg cttgatgggt tccttgagac
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120ttaataaatt gcattttttt ttttgttttg acctgtatgt tggctcccaa aaggaaggga
180tcaagggggtt tgcctttatt tctcctaatt caaacatac cagggttttc aacattctat
240caaaaacttt taaaggcaaa tgttaaaatc actccatctc actcaaagga tagcatttag
300gagaaacaat agaccaatca ataagcttgg gagg

334

<210> 2888<211> 338<212> DNA<213> Homo sapien

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120cggtagaatt aatatattaa aacatatggt ttttagttaa aataggatgt taaaggaata
180gagcgcacga acaaaaaaac tttccacttg aacctatgtt gtttcatctg acagtgggta
240tggtgtccct ggcaggatag ggcttccacc tcctgtgtgt gccggttaga cagggaagag
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338

<210> 2889<211> 347<212> DNA<213> Homo sapien

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120aacagccgct ccgggaagaa acctgagggg actgcggggg gcacgaggga cagctgaggg
180aaggaggagac gcgagagaaa cagcgcgagc acgctgaggg ccgggggttg ccaggagagg
240ggcccgcgga cccgcatagc ggagggaagg ccgggagaaa aggggcggga cggaggagaa
300tccgggagatc cctggcagaa aaagagaagg gagtttctga atcctgg

347

<210> 2890<211> 378<212> DNA<213> Homo sapien

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120tcagggtctt gcgtgctggc cagctggctc accgccttcg tcttcaccaa gtcttctctg
180ccagtgggtga gcaccttcgg cctccagggt ctttcttctt tcttcgccc catctgcttg
240gtgagccttg tgttcacagg ctgctgtgtg cccgagacca agggacggtc cctggagcag
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378

<210> 2891<211> 432<212> DNA<213> Homo sapien

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120tgatattaag tgaaaaaaaa acaggttgcg ggctgggcat ggtggcttat gcctataatc
180ctaacacttt gggaggccaa ggtaggagga tcgcttgagc ctaggagttt gaggctatcc
240tgggtaacaa agtgagaccc atctctacaa aaaaaatcaa gaaattatct ggtgtggtg

300gcacatgggtc ccagctacac tggagggtga ggcgggagaa tcacttgagc ccaggaggtg
360gagtctccag tgattcatgt ttgtgttatt gcactccagc ctgagcaaca cagttagacc
420ctgtcttaaa aa

432

<210> 2892<211> 434<212> DNA<213> Homo sapien

annncaattc ggcacgagga gagaactagt ctcgagagca gnnnnnttttt tttttttttt
60tttttttttac aaaatgcccc ctggggccca aggggcaaaa atttaccttt gcttaggggt
120tttttttttt taaaaaacca accggtttta ataccctcc tttaccctt ggaaccattg
180gggggaaaaa aacccttttg gaaaaacca tttttcaaag gaagggttcc ccgggggggt
240tttaataaaa atattgttg gaaaaaac aaaaagccct ttgatttaa aaagggataa
300agggaggggc cctgaaaaac ccccccttt tttatTTTT tttggggggg ataaaacct
360aaaagaaaaa gggtttttcg cccttaaaaa agaaaaattt gcccccaaa aataaccccc
420cttaaaaaaa tttt

434

<210> 2893<211> 425<212> DNA<213> Homo sapien

ggcacgagga gagaactagt ctcgagagca gttttgttca tctctcttt ttgtccttta
60tctctctgcc actgttctca cctcatccta aaacctgggtc aggagggttt gaaacctatc
120agaactaaag gttaatatct catctccctc aggttttttt catttaaaaa aaaatgggt
180atattagtta aattaaaaata ctgtgtgtaa aattattgtc aaaggggag ggaaatacat
240ctaggggaaa catcatgtct tttaggcct ttatgtcact gaatgactta aggtctcgaca
300aatgatattc ttggaaagt taatcttgag gttttcaaat ctttttttt aatggctccc
360atgtttctca tttgtgatt gattcattag ttgtcttaa gaagatttcg cagttggaaa
420taatg

425

<210> 2894<211> 403<212> DNA<213> Homo sapien

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60cttcagctcc aacgccagcc ccagcagcct ctccccagc tgccccagtc atcacagcac
120caactatccc agcctcagcc ccaactgcct cagtccact tgccccagtc tcagcttcag
180ccccagcccc agccctacc ccagctcag ccccaaatcc tgccccacct gccccagccc
240agactcaggc acagaccac aaaccagtc agaatccact acagactaca tctcagctt
300caaaacaacc accaccatca attaggctgc cttcagctca aacacctaat ggcacagatt
360atgtagcctc aggaaaatcc atccagaccc cacagtcaca tgg

403

<210> 2895<211> 387<212> DNA<213> Homo sapien

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120tgctcaagg tactatgttc ccagctcaga ggaagtgatg aacacaaact actcagaagc
180aaggggagag gagcagaacc cgagggtgag catctctctc ccgtcctatg agtactgac
240ggggctcgac gagaccacc ccacatccac cagggtgac gtggaggcca gccctgggaa
300ccccctgac aggcagaact ctaagttggc caaacgactg aaaccactga aagttcgaag
360gattaaatct gaaaagcttc acctcan

387

<210> 2896<211> 405<212> DNA<213> Homo sapien

cgttgctgtc gctcgtaaat gtcataaaat tttttaacat ttgcatcag gactcaataa
60aagcccagca tcataattga ctgaaatgtc tttttaactt cttttcatct ataagttctc
120cttctatacc ttttattatc attataatta ttattactag gtcattcatc ctgtagattt
180tccacagtca ggattttcct gattgtatca ccacggttgt aggattctag aggttgaac
240atattaacat tcaatagttg agggagatgc aaaaccactc tctaggtggt gacgttatcc
300catcaggaag cacataatgt ccaattggct atttagtggt attagcagct acctatacat
360aatagatcca gtaaatcatg agagactggc tngtatggt agctn

405

<210> 2897<211> 419<212> DNA<213> Homo sapien

ggcacgaggc aataatcaac agttctaagc ctaataaaga gagctcttaa tcagctcagt
60ggtgggttaa accagctatc ttttaagaa gagaaaaaac aaaacacagc aatgccctgt
120ctcttcagaa aattgtttta aaaagttagc caggcatagt tagtggccca cgctgtagt
180ccgagctgtc tgggagggtt aggtgggaag attggttgag cccaagattt tgaggctgca

240gtaagccata attgtaccac tgcactccag cctgagcgac agagaacaag accctgtctc
300ataaataaag tgggggaagg ggtgcaaaat tacactgtga gaagccaaga agtttcaaag
360ttctatttat ttttctaagt cattcttaat cattatttgg tgtttcagtg tttgaattt
419

<210> 2898<211> 387<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggg aaaaatctct ggtcatctcc gagaattaac
60ttgcaactgt tttctatagt gctgtcgtct tgggcaatgg gcaattacat gactttgtgt
120ttgcttctt tgcagtcttt tttttttccc cccatttttt cctaatagga aaaaaaaaaa
180aaaaggcccc ccttgggtggg gcctatttct ggtggcggga aactttgaag tcccaaaaat
240ttggaggggg ggttttttta cccttggggg cggggggggc cggtttctaa tttttaattt
300ttttaaaaat ccgggctaac ctccggggga aaaaaactgg aaaccgcttt tattaaacct
360ttctttataa aaaatttttt ttttatg
387

<210> 2899<211> 411<212> DNA<213> Homo sapien

cggtgctgtc ggccacgaac acagccttgg gcccttgggt atgcgcgccg ctcttgagtc
60ggtcagatgc caaacgcaaa aaaaagcctt ctccctctaaa gacacggaaa tgcaccgagt
120ccggctctga ctaccccc aatccttacg gtccccaac tcggcagcca aaatcgaaaa
180ctactctcgt ctacgcgcc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc
240cccgccgggt gtgcgcgact tcggacggca tcccagagact acccttctca aggcctatg
300accagtcgga gctgccatga tagactctcc gaagccgggt gtgacctccc ggaccagccc
360tgcagcaccg acctcctctg gtccggcccg gagcccggt ccggtctctt n
411

<210> 2900<211> 407<212> DNA<213> Homo sapien

ggcagagaaa ggccgtgggg ctggagcatg tgggtgcctg ctggggagcc tgggtcaggg
60acagggtcat ggagtgtagg ggactggacc acccagggca tgcgagtggc tgagccaggt
120tgcgggcaga ggggtggccag gggcccatgg gagcatttgc aggtgagctc cctggggagg
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240tggctgctgc aggggtggctg atgacagaca ggtcttgggg agggaggacc gggactcggg
300atgagcctgc gtctggctgg gtggtgcctg ctcttgttt tgtgggtggga gactgaaggg
360gagctgaggc ttggcgga acgggccttg tccagtgggg cattttt
407

<210> 2901<211> 401<212> DNA<213> Homo sapien

ggcagagca cagtgccctt ggaggtgttc agcttatccc aggtgctga cctggctaac
60aagggcccgga agtgggagaa gagccatgcc gaaattgcag aacaggccaa gcatgaggcc
120gagatcgaga ctcgatttgc tgagctgcgg aaggagggtt tctggctact gaagaggctg
180cctaagggtgc cagagcccc tcgccccaaa ggtcactggg actatttgtg cgaagagatg
240cagtggctct ctgctgactt tgctcaggag cgccgttggga aacgggggtgt ggcccgaag
300gtggtgcgca tggatgacg gcaccagag gagcagcggc agaaagagga acggggcccg
360agggaggagc aggccaagct gcgtgaatt gcttcacca t
401

<210> 2902<211> 375<212> DNA<213> Homo sapien

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60atttttaaat ttttagtaga tctgcgggtct cactatgttg cccaggctgg tcacaaactc
120ctggcctcaa gtgattctcc ttccttggcc tcccaaggca ctgggattcc aggcattgagc
180caccatgcgc agtctcattt ctgttttatc tagaacatgt tttcatcaca ctgacttttt
240tgagaagtc aggccaattt taaatttcat tttgtctttt tatcagtggga aaagtagcat
300atttatgttg cagacaaaag atgaatcana taggaagaan atgtaaaaca catttggggc
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375

<210> 2903<211> 350<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat ctgtcttttg aaacacataa acatgtacat
60acataaacat acaatttgc ttcaacggtt tatggaatat cttatagcaa attaaagatg
120agtatgtttg tcattcaatt atgaaagatg ttgatataaa taaatttatt catatatttc
180aaaaagtatg tagggcttcc agtcaaggta aagaaacaga gaccacattt actgtcttcc
240ctataataga aaaaaccag aaaatttatg aaatgactgt ttttttagac attggacaac
300aaagaacagt gacctctgag acacaggata caagatgagc cctaaaagtg

350

<210> 2904<211> 369<212> DNA<213> Homo sapien

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60atttttaaat ttttagtaga tctgcggtct cactatgttg ccagggttg tcacaaactc
120ctggcctcaa gtgattctcc ttccttggcc tcccaaggca ctgggattcc aggcattgagc
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240tgagaagtcc aggccaat taaatttcat tttgtctttt tatcagtggg aaagtagcat
300atttatgttg cagcacaag atgaatcaaa taggaagaaa atgtaaaaca catttggggc
360cgggcacag

369

<210> 2905<211> 372<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtag cacactgaat tatgggggtgt gtgtttgtgt
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120aaactcttgt gtgatatggt tttatttttgc tttttttgc tttatgtaaa acgtcaatgg
180tttgctgact cttaattctt acaattattt tacatttgaa ccttgctct agcccatat
240atttaagtac tttgaatata catgaataaa tttagttgac cattaacagg agtgggtgcc
300aacatttctt aacctactgt gttattttta tctattttga gagatgggt cctgctctg
360tgcccacgct gg

372

<210> 2906<211> 363<212> DNA<213> Homo sapien

actacggctg cgagaagacg acagaaggga ttctcaattg caaatggttg aatatccaac
60tccagatggc ttccttaagc aacaaaagga gttcttagt ttgagcagag gttgatccag
120tgagtcaata atgtcaccaa gaaatgtgtg tgtgtgctg tgtgtgtgtg tgtgtgtgta
180tgtgtgtttc catgtgtctt ttgtgccatc tatatcagtt tcacctatt gttggagagt
240gactcatgct cacatgatgg gtggcaacaa ttacagagnt aatgtttttc tcatatacat
300ttaaaatttg acaaagagac aaagagatat ctttgtctta tctcagcctt ttaattcgca
360ccg

363

<210> 2907<211> 375<212> DNA<213> Homo sapien

cggtgctgtc gcataaattt ttgtttttt cactgatgga tctcaatgct tagaacagt
60tctggtgcat agtagaagct caataaatgt ttgttgatg aatgaacaaa tgaaagaggt
120ggctgggggt atgctgtttt atataagggt gatcaaggaa gggctctctg ataagagaat
180gtttaagcag agatggaatg aagtgaaggc cagaatcttg ctcatatctg gggaaagcat
240ctctgggcac aggaagagcc agtgtaagg ccctgagcca ggaacatgct tggctcttg
300aggaacacca catctgcttg tgactgaagt ccagtgaag taggaaagag gagatgggga
360gtgaaaacag catag

375

<210> 2908<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcca cgtggaactg taagtctatt aaacctctct
60ttatttttga aattgcccag cctgttatgt ctttatcagc agcttaagaa tggattaata
120cacccccaaa agaccaatca gaggcacatc ttctcccaa acttaaagtc ttaactgctt
180ccccgagttg ctgattatat aattattgaa aaataaaata taaagatgca gcaatacatt
240tgcaatattt atatttctat tatcataatt ccagagtggt ttttttagac ctatctctaa
300gtatatatag attcaatacc aattcaatga gttctctaac ccagagatct ttgatttatt
360ttctatgggt aggc

374

<210> 2909<211> 352<212> DNA<213> Homo sapien

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180actcctgatt tctactggga cagagaaaac ctggaaggac tttacgataa aacgtgtcaa
240ttccttagca ttggccgaag agttaaggct atgaatgaaa aacttcagca ctgcatggaa
300ctaacagatc taatcggaag tcacctgaat gagaagagg cactccgctt gg

352

<210> 2910<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggat cagcctgggc aacatagtga taccctatct

60cttaaaaaag aagaagtttt taaatttgaa ataataatag gtactggatt tatgcaaag
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180gaggaactta aggttcccat ttgtattaag ggaaaactaa gcccctctgt gatttctgaa
240ccaagctatt cctaggcctg agttttatgt tgttgacca aaaataaatt aaaaggccaa
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340

<210> 2911<211> 339<212> DNA<213> Homo sapien

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120gttgattgag tgctctctat gtcctgggcc ctgttctaag aactttgatg catccttatt
180tagtgcttaa aataaaccta agagggctaa gtactattat gatttccatt ttacacgaaa
240ggaaactgat ctgccaggtc acatacctag taagggattg ttctgggctg aagaaaaagg
300atgcatggag gggagtatct tgcccaaggt cacgttatg

339

<210> 2912<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatg tgacatggac tcatgcaaag agcagaatct
60tattcaaaagt tgagcattcc cgtttatgaa ttttatccag atactctaag ttgtcaatgt
120gaaccttggg cagtaatctt cagcaggac agtattattg cttttcatgt aaaacctcaa
180ttattaatag ttttaaatga caatttttct ttagtatatc taaaaatatt ttgttcaaat
240ataatcaagt ggaaaatatt ggacagaaat gagtcatcca caaaaagtat cattgaaact
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334

<210> 2913<211> 344<212> DNA<213> Homo sapien

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60gaaaagatcc aactattaga acttcagctt gcaactcagc atatctgcca ccaaaaatgt
120aaagaggaaa aatgcactta tgctgataaa tatacccaaa caccctggag acgaattcct
180gggtgggtatt ctgtccctc cttctctcct tggcagggt ccttccagg gatccacgg
240actgttccac cgcaccgcag acagacctca agtactacag ctttccagca gccttccag
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344

<210> 2914<211> 337<212> DNA<213> Homo sapien

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60gatcaaggca ttttggatgt actgctaag gaatatggca ctgttttacg gtttatgtgg
120cttctgttct tgccacagtt gttgcacagt ggtaattgat gttttctctg gtgccacact
180ttttaataat ctattggaag ctcatccctc ccccccatc ataaccatat tcagcaccca
240ttttaaatct acttttcttc cttatttggt ctacagaggt tgatggcgta aattttccta
300cttgggaagaa attactttat cagttaattt cagggtt

337

<210> 2915<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggc tttccgagcc cgcttgacc tcggcgatcc
60ccgactccct tctttatggc gtcgctcctg tgctgtgggc cgaagctggc cgctgcggc
120atcgctcctca gcgcctgggg agtgatcatg ttgtaatcca cccaccgcca cttcaagaag
180aaatgatatg aagaagtgcc ggttctcct cccctcttc gcactgtccc gtgatgatga
240cgctccaga gaggacgata atctgggttc ctgggagaga tggcttggtc actattccca
300cccttgctc gaccacttgt ctcaatgtca ccacctcacg cc

342

<210> 2916<211> 390<212> DNA<213> Homo sapien

ggcacgaggc aatctgggat ggtgaatttt atgtatccac ttgactgggc caggggctac
60ccagagattt agtcaaata gatactggga gtttcagtga gaatgtttct aaatgagatt
120gacattggaa ttggtagact ggggaaagca gatggccctc cctaataatgg ggggtggggg
180gtgggtggcg cttcatcaa ccaggggaag gcctgaatag aacaaaaagg ctgagtaaga
240gagagtccct tctgctgac agcctttgag ctgagacact gctttttggg ctgagctgaa
300acattggctc cttctgggtt tcagagcctg ccagtcttca gactggagct acaccacagc
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390

<210> 2917<211> 367<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggta gtcagaaaag ggtcattgtt tttgcattgt
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120ttcagctctgt aaaactatta catgtcatga agcctctaga aaactcagct cagcggggcg
180cgggtggctca ggcctgtaat cccagcactt tgggaggccg aggcgggtgg atcacgaagt
240caggagatcg agaccatccc agctaacaat ggtgaaacct tgtctctact aaaaatacaa
300aaaattatcc gggcatgttg gtacacgcct atagtccag ctgctcggga ggctgaggca
360gaagaat

367

<210> 2918<211> 412<212> DNA<213> Homo sapien

cggtgctgtc ggccacgaac acagccttgg gcccaagtgt gatgcgcgcc gctcttgagt
60ccctcagatg ccaaacgcaa aaaaaagcct tctctctaa agacacggaa atgcaccgag
120tccggctctg cctcaccccc aaatccttcc ggtccccc aa ctcggcagcc aaaatcgaaa
180actactctcg tctcagcgcc cccgctgttg attacctgcc attccgcacg ggcgctgcg
240ccccggccgc tgtcgcgac ttcggacggc atcccagac tacccttctc aaggccgtat
300gaccagtccg agctgccatg atagactctc cgaagccggt cgtcacctcc cggaccagcc
360ctgcagcacc gccctcctct ggtcggggcc ggagcccggc tccggtctct tc

412

<210> 2919<211> 394<212> DNA<213> Homo sapien

ggcagcaggt gagacaccgt ctcaaaaatt aacataaaca aaacagggtca aaaatcagtt
60gcacaagttg tatgaaacca ggtattctgc agctctgtct ctgtttatt aagatatgca
120cagtttctga atcaacaaat atatctgtga ttcttttata ctactacata aaagaacagg
180agtaattctt gccttataaa ttaaagtca aacatttctt atatgtaatc atttgttctt
240aaaatatgat ttagtcccag catgcttctc cctgttttct ctttttctct ccagctccta
300tctagtctt caacaaatcc tgtcaactct accttccaaa tgctcttga atccagccat
360ctcaccacct ccaacactac caccattttt ctg

394

<210> 2920<211> 448<212> DNA<213> Homo sapien

gcaggatccc atcgattcgg gctgggtgaga cagcatcccc tctaagaaa atgtatgtgc
60tcagacaggt aaccactgct gctactgttt ttatttgttt gttgtttcaa tttatttaa
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448

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347

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402

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345
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346
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342

<210> 2931<211> 400<212> DNA<213> Homo sapien

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400

<210> 2932<211> 417<212> DNA<213> Homo sapien

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417

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404

<210> 2934<211> 389<212> DNA<213> Homo sapien

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389

<210> 2935<211> 399<212> DNA<213> Homo sapien

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399

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403

<210> 2937<211> 379<212> DNA<213> Homo sapien

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379

<210> 2938<211> 388<212> DNA<213> Homo sapien

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388

<210> 2939<211> 374<212> DNA<213> Homo sapien

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374

<210> 2940<211> 378<212> DNA<213> Homo sapien

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378

<210> 2941<211> 387<212> DNA<213> Homo sapien

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387

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465

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442

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468

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406

<210> 2946<211> 407<212> DNA<213> Homo sapien

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407

<210> 2947<211> 380<212> DNA<213> Homo sapien

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380

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374
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407
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387
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395
<210> 2953<211> 418<212> DNA<213> Homo sapien
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120gggaacctcg taaagccttt atcaactgca atgtatggac ttctatactg aaatgtttac
180agatgaaatt atatgatgac tgggatttaa aagaaatcct acgatagcca ggtgtggtgg
240tgcattgccag ctactcaaga cgctgcggca gaattgcttg aaccaagag gtggaggctg
300cagtgcgcca agaccacacc actgcactac agcctgggca acgagagact ctgtctcaca
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418
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180accaccttaa tattctttta aaatcagttt gagcctacag ccatgccact gtgaatgtgt
240ctgatctcat gtgatcatgg aagctaaagt gagtttgata tgataaatat atgcaacgta
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394

<210> 2955<211> 407<212> DNA<213> Homo sapien
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120tctcaaaaaa ataaaatatt gtggtatttg cacaggagtg gacaactagg tcaatctagg
180aacagacctt ttggaacttg atatacatga aatgactcaa ccaatcagtg aagacagggt
240ggatgttcac tgaatatttg agaaaactga actcccccat acaaaagaaa acagatttcc
300actttacaca cactcaaaat taaatttcag attaaatact aggatatttt taatgattta
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407

<210> 2956<211> 412<212> DNA<213> Homo sapien
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120aagcaacaag agcaaaaact tctgtctcaa acaaaaacaa aaaaagagta ttcattgtga
180ggacaaacaa tacaaatacg aagagggttg tagtaccttt acttgatca cagatacttt
240tgtacccatt ttgcactaga ggaaaacat gaagcagttg ctcaaattgt gttcaacacc
300agaaaattta tattggagaa aagcactgta aatgtaatgc atttgtagaa acatttttta
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412

<210> 2957<211> 407<212> DNA<213> Homo sapien
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120cattgaagat aagaaaggaa atgagagttg ttgacaggca aataagggga tccattggag
180tctttggctg aatactaagc tgtgcatgct tagagtga aa tttcaagaga ctgggcaagg
240aacaattact aggaacagaa caactaccag gaagctgtaa gctgaataat tcttagagct
300aataaaggat tgagaagtgg ttgagctctg atcagacaca gaaaagagac tttgttgaac
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407

<210> 2958<211> 328<212> DNA<213> Homo sapien
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120tagagtacaa gaatctagtg gtgtctttta ttggggtttt ggggggtgctg ggaactatga
180cattacaaag agccactaat tgtaactga aggaaaaaat actggtcaat gaagggaaac
240ttaactataa aatcaactta gtgaaataa accattaagt ggtactaata tgggcaggca
300cagtggctca cagctgtaat tccagcac

328

<210> 2959<211> 344<212> DNA<213> Homo sapien
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120ccatgaaata aaagattcat ctgtaattgg gattcaaagt gattaaattc ctttgttcat
180actcataaat agcactaaag tggtataaca ttttcattta cctattttta gttccttcat
240tttaacttaa taaaaatctt ggattgatat tctttttttt tttttttttt ttttttggga
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344

<210> 2960<211> 340<212> DNA<213> Homo sapien
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340

<210> 2961<211> 388<212> DNA<213> Homo sapien
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120tttattgcga tctttgtgtt gagagtcctc catggatctg ttgtgtgctt acatgtcttg

180ctgggtgtgc caagaatgca aggcccaaga atgctcttta tttgggcctt ttctcaggg
240tggtttacaca gctggtaatc ttcagagaca agttaatgtt tctcttggga caaagagcag
300gcttgccac tgcttggtat aaaaacaata gatttcagcc gggcgtggtg gctcatgtct
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388

<210> 2962<211> 403<212> DNA<213> Homo sapien

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120gtggagtcgg aacgacacag gcagagaggg acagagtcgc agcaatccag acagaaagag
180acacgcagaa agaaacagac agtgacagag aagatggtag cctctctgcc ctcccaaac
240accttgcccc actggtcctg gctggcggca ggggactcac aggcccttga cctatgcccc
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403

<210> 2963<211> 393<212> DNA<213> Homo sapien

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120gagggcatct ctgcagcctg caccatcggc catcccagga aggacagccc ccttcacct
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240ctgctctgat cttggagggg agtcggagcc aagacctgca gccatgaatg gcagcaggag
300gaaagggggg gggnnccan naaggcccca cctcangcc agggagggcc tgaattctgg
360gggtgggct gccagtcct ctgaccagag agg
393

<210> 2964<211> 423<212> DNA<213> Homo sapien

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60caaacaatc caagtctgga tctcgctctt ctgctcaag atctgcatca agatctcgtt
120ctcgcttcatt ttcgaagtct cggccccgaa gccgatctct ctctcgttca aggaagcgca
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240acccaagagt atatcagaat cgggatttcc gaggtcacaa cagaggctat agaaggcct
300attatttccg tgggcgtaac agaggctttt atccatgggg ccaatataac cgaggaggct
360atggaaaacta tcgctcanat tggcagaatt accggcaagc atacagtctt cgtcagggcc
420gtc
423

423

<210> 2965<211> 385<212> DNA<213> Homo sapien

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60ggattttttt ttctcaaat aagctgtagg gactatttta acagcttaaa caggagctct
120caagatgcac tttcgtattg agaggaatat gggcttgatc ctcttcctat cttaatgggt
180gggccatttg attgtagagg gtccaccaca gaattatggg atgccttaag tgctgttact
240aggttgctca cagcctaacc tggcgtgttg tttagggctg atggagacct atgtgagcct
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385

<210> 2966<211> 376<212> DNA<213> Homo sapien

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120aaatcagaac ttgcataaga aagagaatgg gagtctgggt aaataaagat gactatatca
180gagacttgaa aaggatcatt ctctgttttc tgatagtgtat tatggccatt ttagtgggca
240cagatcagga tttttacagt ttacttgag tgtccaaaac tccaagcagt agagaaataa
300gacaagcttt caagaaattg gcattgaagt tacatcctga taaaaacccg aataacccaa
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376

<210> 2967<211> 384<212> DNA<213> Homo sapien

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120aagaaacggg aggtctctgta cgcacaggac ccttcacgg gctgctacat gtactatttt
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240ctgatcaatc acagcaaatg tgggaactgc caaaccaaac tgcacgacat cgacggcgta
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384

<210> 2968<211> 225<212> DNA<213> Homo sapien

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60ggggaggaga gagagtgatg cagagctggg gcagaagggc agcgagctgg tggctctgcg
120gggtggcgctg cgggaggccc gtgctacgct gcgggtcagt gaggggcgtg cgcggggctc
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225

<210> 2969<211> 413<212> DNA<213> Homo sapien

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120cccattacct cctctctcct cagcctttgg taaccagcat tcagtctcta tgaattgact
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240ttcatgttgg aacatgtatt agaatttctt tactcttaaa ggccagatat gccgtaggat
300gtaaataccg tagtttgtgt atcaggtcat ccattactgg acactgggtt gcttctgctt
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413

<210> 2970<211> 405<212> DNA<213> Homo sapien

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60taaaaattta cccggggggg gggaggggcc cctgtatttc cacttcctca ggaggggggg
120gcagaagaat cttttgaccc caaaattcaa aaatggcaag gacttataat attgttattg
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300aaaagaaatt agccaactta tgggtgttta agggtaatag gaaaggctta tatggagaac
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405

<210> 2971<211> 381<212> DNA<213> Homo sapien

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381

<210> 2972<211> 437<212> DNA<213> Homo sapien

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120ggtcgggtgt gggttctgca aaccagggtc ggattctgtg taggttctgc aggccaggg
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360tagggtcacc tgaccctggg aggttgaggc tgcagtgagc caaaatcgca ctactgcact
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437

<210> 2973<211> 399<212> DNA<213> Homo sapien

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120tttgcttaat tgaaccccca cttggggggg ttaaagaatt ttgcctgcct aacctccgg
180agaaatggga ataaaggggc cttgcccccc ccccaaccta tttttggttt ttaagaaaa
240aaggggggtt aacctgggtg gccgggctgt tccaaacttt tggccctggg gggatcccc
300cccttgagcc cccaaaaagg tgggaataac gggggggacc aaccatgcca aaaattgggt
360ttaatttttt taaacctttt aaccaaccta accaaaaat

399

<210> 2974<211> 346<212> DNA<213> Homo sapien
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346
<210> 2975<211> 341<212> DNA<213> Homo sapien
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240gttgattgga cttacgatcc aaatgaacct cgatactgca tttgtaatca ggtatcttat
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341
<210> 2976<211> 427<212> DNA<213> Homo sapien
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427
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427
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339
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394
<210> 2980<211> 399<212> DNA<213> Homo sapien
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399

<210> 2981<211> 399<212> DNA<213> Homo sapien

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240acagaagaaa gaagcagtga atttcaaagg tagatgatct aatctgaaga tcagagagga
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399

<210> 2982<211> 397<212> DNA<213> Homo sapien

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120ggtttaccgg aaacccaaac ttgaaaaaaa ccttggtggg gtgggaacaa cccccaataa
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240ccttttatagg cggaaaaaaa aaggtaaaca ccacaagggg cttttttttt ttttcaggg
300ttaggggggg ggggggggga gttttccna acaccaatat acagggtata cctctaacta
360cagcttgcac aatggcttaa aattgccatg gggaaag

397

<210> 2983<211> 372<212> DNA<213> Homo sapien

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300cccaataact gaactatttg gtatccaaat ccccataaaa actccagcac aacctccact
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372

<210> 2984<211> 410<212> DNA<213> Homo sapien

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300cagggtgca ctgcccacag cagggagggt ggggtatggg tgctttctgg ggctgcaatg
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410

<210> 2985<211> 407<212> DNA<213> Homo sapien

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240ccaggactac aggtgtgcac ccaccaccac actcagataa ttgctttggt gtttttaag
300cttgtaatga tcagtaggct gaggtgggca aatcataagg tcaagagttt ttagatggg
360gtgagcacag accaattcct gttttattta ctgatttaaa attttga

407

<210> 2986<211> 453<212> DNA<213> Homo sapien

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120ttgaaactct ggagtatcct ttgctctcag cctcccgagt agctgggact gcaggtgtat
180accacctccc caacttgat ttactagtag tagcaagtgt agacaagagt ctctatttg

446

240gaatgtaaat tgttgggttg aatgtacgtt ggcacaactt ggggaaagt tggcaatgta
300tatcaaaagc attaaaattg tgtatatctt gtggcctggc aatactcctt ttatgaattt
360attataaaaa aaagtacatt ttttaaaaaa cttagctggc tgggtgtggt ggctcattcc
420tgtaatccca gcactttggg aggctgaggt ggg

453

<210> 2987<211> 407<212> DNA<213> Homo sapien

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60attggggaat tgatttcaca gttcgttacc ttagtaggga acggttaaggt tattcttttt
120tttttttttt ttgggattaa aaacctgggg gcctaaattt aacaaaaag gggccaaaag
180gtggaatgaa actaactttt gggcaaaatt aaaccatccc cccaaagggc gaaaataatc
240caccgcccc cccggttttt tgggtgggta aatttggttt agattaaaaa caggcttttg
300ccccccagcc gggagggcag gggggtaatt agaactttt cccccggga tgaaagcaat
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407

<210> 2988<211> 339<212> DNA<213> Homo sapien

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120aaagcacccc cttttttttt tttttttttt ttttaaaaag ggaattttgt ttttgtgccc
180caaattggggg ggcaggggga aaattttaatt taaccaaacc ctctcttccc ggggtaaaag
240aattttttccg gccttgcccc ccaagggggg gggaataaag gggccttgcc cctcccccg
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339

<210> 2989<211> 399<212> DNA<213> Homo sapien

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60aaggccgagg aggcccgct gcgcaagcag cagctggaag cggaggtgga gctcaagcgt
120gacgaagccc ggcgcaaagc tgaggaagac cgggtgcgga aggaggagga gaaggcgcgg
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240gggctcggca agcccaagtc aaagccgaag aagccgcggc cgaagtcggt gcaccgggaa
300gagtcgtgca gcgactccgg caccaagtgc tcctccaccc ctgataactt gagccggact
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399

<210> 2990<211> 326<212> DNA<213> Homo sapien

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60tcaaccctat gtccacaatt tgataactgc aatgaaccaa tcctttgaaa gacacaattt
120gtcaaaactc acataagaaa tagaccatct gagggggcct aaacctttta aagaattgaa
180ttaataatgt taaccttcca aaacagaaag cagggaacca gatgggttca ctagtgaat
240ctactaaaca tttaaaggaa aaactaataa atgagatatt ccatgtttat ggatcagaag
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326

<210> 2991<211> 380<212> DNA<213> Homo sapien

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60tcaactgcaag ctctgcctcc cagttcacgc cattctcctg cctcagcctc ccgaggagct
120gggactatag gcgcccgcga tcacacctgg cttttttttt tttttttttg ggaaaaaacg
180gggttcccc atgtaaccca ggagggccta aatctccgga cctaaggacc cgccccctg
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300agttttaccc ttgttaccce cccttgggga aaagggtttc ggacaggggg ttcttttaaa
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380

<210> 2992<211> 378<212> DNA<213> Homo sapien

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120ccactgaaaa taaatcactc caacaatgca atagtaaaac cccctgagat gacacctcag
180gctgcagcta aggagttaga agaagtaatg aagcgagtac gagaagctca gtcatttatc
240tcagcagcta ttgaaccaga gtctggaaaag agcaatgaaa gaaaaggcgg ncatctcgt
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378

<210> 2993<211> 450<212> DNA<213> Homo sapien

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60gggtcaagtct tccgccaccc cggataaagc ataacatgga tattggaact tgggataaca
120aggggtcccgt tgcaaaagcc ccctcacagg ctttggttca gaatataggt cagccaaccc
180aggggtctcc tcagcctgta ggtcagcagg ctaacaatag cccaccagtg gctcaggcat
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300tccagcaaca ggcagctcag ccaacccgct gggtagcacc tcggaaccgt ggcagtgggt
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450

<210> 2994<211> 405<212> DNA<213> Homo sapien

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60gctactttca gctgaaagcc aaccaggag cttggatcct cagacttagg aagggacgt
120ctgaagatat ttatagaatt tacagccacg atggcaccga ttctccccct gatgctgatg
180aggtgggttat cgtcctcaac aacttcaaaa gcaaaattat taaagtgaag gttcagaaga
240aggcagatat ggtgaacgaa gacttgctga gtgatggaac gagtgagaat gaatctggat
300tttgggattc cttcaaatgg ggctttacag gacagaacac tgaggaagtg aagcaagata
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405

<210> 2995<211> 400<212> DNA<213> Homo sapien

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60gcgactgccc acgagaccca aaaaagggtg tccggaaatc tcaccgtgag ggcgggtca
120tcagactgaa acttgctcac agacttccag ttatttattt ggggtctgaa ggatatcaac
180agctcatctg tgaccaacag ggcaactgga acctacaca accaattgct tgctgcaagc
240agagttttat atatttatag tcacagacgg cagaggaaga ggctctcagt cccacctgt
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400

<210> 2996<211> 336<212> DNA<213> Homo sapien

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60ttattaggaa atgcatgtat acggaaaaag aagaaggaat ctttaccat ggactacagg
120aagtgaagc aaacgtttc cctacctgaa agtttcttg tgtgagactg gaatatatag
180ttttacctct gtacaccatt ttgtctctag cctatatgga ctacctacac tcataatgag
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336

<210> 2997<211> 375<212> DNA<213> Homo sapien

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120tgctcaggga cgaaattgcc taaaaactca tttcttagaa tgtatccctg tcgttaaggg
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240cttgccaaa gacacacagc cagtataatg ggagcaaaac acaactgcct gaagaaaac
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375

<210> 2998<211> 373<212> DNA<213> Homo sapien

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120ccattcaggc ctgtgctatc tgcacagcc gagggctttc caggaacttg actgtcttc
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300gcggatcacc tgaggccagg agttggagac cagccaggcc accatgggga aaccctgtct
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373

<210> 2999<211> 399<212> DNA<213> Homo sapien

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120ctcaacagca gcctcaacca ccacaaccac agcagcaaca aggacctcag ccacaggccc
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240acagggggagc aggcttcaac cagaacaatg gagcgggcag tgaaaacttt ggtttagggtg
300ttgtacctgt cagtgttca ccttctagt tagaagtga tcccgtgctg gaaaagctaa
360aggccataaa caactataat cccaaagact ttgattgga
399

<210> 3000<211> 428<212> DNA<213> Homo sapien

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120ctcctggagt atccttttgc ctcagcctcc cgagtagctg ggactgcagg tgtataccac
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240taaatgtgtg gttggaatgt acgttggcac aacttgggga aagtttggca atgtatatca
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428

<210> 3001<211> 390<212> DNA<213> Homo sapien

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390

<210> 3002<211> 405<212> DNA<213> Homo sapien

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60aaggctgaaa tagttcatta tgtaataaac ctcttttatg ttctcagga aatgcttagg
120tggtgtcaca aaatgtgcct ttcttttct ttctttttt ttttttggg gaaaagctctc
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240cgggggttaac cttttttct ggcttagacc ttcaaggaat tgggaattaa agcttcccc
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405

<210> 3003<211> 433<212> DNA<213> Homo sapien

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60caaagagggtg gattctaaac ctgtttccca gaagccccc cctccctctg agaaggtaga
120ggtgaagtt cccctgctc cagttccttg tctcctccc agcctggcc cttctgctgt
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433

<210> 3004<211> 335<212> DNA<213> Homo sapien

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60gtggtgaagg tgggtcaac caaaaaaggc ccagtggacc ctacactatg gaatgaattg
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335

<210> 3005<211> 350<212> DNA<213> Homo sapien

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120tttccatcac ttccttgcta aatttcagtg ctgtacctta catattctac ctaaagctta
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350
<210> 3006<211> 405<212> DNA<213> Homo sapien
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405
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408
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422
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407
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403
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387

<210> 3012<211> 380<212> DNA<213> Homo sapien

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380

<210> 3013<211> 391<212> DNA<213> Homo sapien

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180agttgggaaa aaccccaacc aaaaaggcgg gaaaaaaagg cttaaattgg aaaaatgggg
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391

<210> 3014<211> 385<212> DNA<213> Homo sapien

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385

<210> 3015<211> 372<212> DNA<213> Homo sapien

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372

<210> 3016<211> 381<212> DNA<213> Homo sapien

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381

<210> 3017<211> 442<212> DNA<213> Homo sapien

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442

<210> 3018<211> 427<212> DNA<213> Homo sapien

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240ttcccaaggg ggccaagagc agcccctgtt cgtgcacaaa ggcaccaaca tggagaccgt
300ccaaaactgt cgcatttagg ggactgacct caccgtccaa gcgatattgg gttttaaant
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427

<210> 3019<211> 418<212> DNA<213> Homo sapien

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120ggggaaagga ctctgtcccc ttggggctca tcacccttcc acatcctctt cctcgttgcc
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240cctgaaaggc agggggccaa tctcgggtta ttgaaaactt ggcctcggga ataaaggcaa
300ttttccggcc taacccttta aggaactggg aataacgggc ccccgcccc .ccccccgggt
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418

<210> 3020<211> 375<212> DNA<213> Homo sapien

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120catgcgcgca cacatgcaca ggagcctcca aacacacgtg catgcacaca catgcacaca
180ctcacacgca tgcacacacg cacacaagca aacacatgga cacacacaaa cgcgcacatg
240tacaggagcc tgcacacaaa cacacgtgca tgcatacaca cgtacacaaa catgcacaca
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375

<210> 3021<211> 384<212> DNA<213> Homo sapien

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120aaccacaaaa tcagatggca acagagagaa aatagatgtt atgggccttc tgactggatt
180aatttgctgct ggagtatttt tggttatttt tggattactt ggctactatc tttgtatcac
240taagtgtaat aggtacaaac atccatgctc ttcagccgtc tatgaaaggg ggaggcacac
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384

<210> 3022<211> 401<212> DNA<213> Homo sapien

nnnnacgaga gaaaggatag gaaggaagca tgagagagaa tagggagaag tgaacagggg
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300ggcttggttag tccttctccta aagggggatc cagatggcat gtcacagtgt ctacctgaaa
360tgctactga atccagctgc aatgcaagaa gactccctga t

401

<210> 3023<211> 406<212> DNA<213> Homo sapien

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120caccctctt cctcaacaca agccaaact gctaccgcg aggtgcaagt aagcggcacc
180tcaaaagtgt ctgcggggcc tgaccggtcg caggtggcgg tgcagtgag cagcaccaag
240gaggcggcag ccgaggccaa aaagagcgtt tgtcgccggc tagattacat aacgcatagc

300ctccagcagc agggcggtgca ggcagaaaat ataactgtga caaaggactt taggagagtg
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406

<210> 3024<211> 399<212> DNA<213> Homo sapien

ggcacgaggt ctctgcaaaa gacccctccg acccgagtgt tctggaact ggttccctgg
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120caccctctt cctcaacaca agcccaact gctaccgcg aggtgcaagt aagcggcacc
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240gaggcggcag ccgaggccaa aaagagcgtt tgcgccgtc tagattacat cagcagagc
300ctccagcagc agggcggtgca ggcagaaaat ataactgtga caaaggattt taggagagtg
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399

<210> 3025<211> 399<212> DNA<213> Homo sapien

ggcacgaggg ggggtgtggc cgagctgtac tgcccctgga cactgctgag acactggaca
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120cggtagttct gggcaagcag gtgctagtgg tgggtggtgt ggatgaggtc cagagcccgg
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240ctcaagcagc catgggggtt gcaactgtgg agagagatgg tatgggtgat gctctggggg
300gaatggggcc tgacacggcc cccagggccc aggtacgtgt gtatgagccc cgtcgggact
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399

<210> 3026<211> 407<212> DNA<213> Homo sapien

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60aacatcctgg ccaacgtgga caaacccag ctaaaacgca aatgtaactg ggggtggagg
120tgcaagcctg gaaacccaat tgcttgatag gctgccgcta gagactcact tcaacccagg
180aggagcagga tgcgcagagc ttatatggct ccaactgcact ccaacgtgag tgacagataa
240aacctcatct cctaaaaaat aataataata ttctagcatg tttatatgaa aataattgtg
300ctttccaaaa cagaaataaa aatagtga aatgtgtcat tgttttacat ctctatatca
360aatgtataga ctacaggtag atttccttat ctgcttctgc agtcatt

407

<210> 3027<211> 353<212> DNA<213> Homo sapien

tatcggtgc gagaagacga cagaagggtg cggctccgag aacacgacag aagggttaata
60tcaagctgta ttttttcaa aggttttta aactttggag actctttctt ttgttaagca
120gttaaaggaa taaaagagct ggaaaaaaa ttgtaccttc aactcagggt ttccatata
180acatacgtat tctctgctgt tacgtaagtt ttccgattca cagagtccat tcatgtacat
240cacttacact taaattgtaa aaataattag tctgaccatc tgactttaaa agactgttgc
300tacacgtaca tcatgtttag gagaatgtgg gatatggnga aggggagaag aag
353

<210> 3028<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctccgaaa agacgacaga agggcattgg
60taaaatagac aaaatggcta ctcttaatct accattctca ctgggttggt gtgaggacac
120agataattaa gaaaaacata ataaatatcc aaattagaaa atggaaaagg ggccgtaacc
180ctactcctaa cctggtcatt ttaacctcct gtgccctcag tttcttcac tgtataatgg
240acataggcct ggtgtggttg caagaagcag ctaaaaatca ggaaaaagaa catcatgtat
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340

<210> 3029<211> 417<212> DNA<213> Homo sapien

ctgtgttgag gctaattggc gtgcccacgg aactggatgg agggagtgtt aaggagaccg
60cagcgaaga ggaatgcga gttctggcac ctggcgccgc cccgttcgga aattttcctc
120attattctcg ctccaccct ccggagcaac ggctccgcct cctgcccccg gagtgcttc
180gacagctctt tctgagagt ccgagaacg ggccgattct ggggctcgac gtgggtgta
240actccgggga tctgagtgtg gctctataca aacacttctt ctccctacct gacgggga
300cctgctcaga tgctcaaga gaattccgtc tctctgctg cgacatagat ccagtccctg
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417

<210> 3030<211> 407<212> DNA<213> Homo sapien

cggtgctgctc gaaagactca gcccaagtat aggatgccct ttttcccttt gttttttttt
60ttttgaaaag ggagtttggg ttgccccca aaggtggaaa ggcagggcca gaatttgggt
120taactgaaat acccccctcc ttgattaagg aaattttctt gcttaacct cccgggaagt
180gggaatggaa ggcccccccc cccaccccg gtaaattttg gatttttaag aaaaaacggg
240ttttaacaat ttggcgaggt gtggttttaa acnatnaacc taagggaatt accttccttg
300gccctccaaa aggccgtgaa taaagggcgt aatgcccgcc cccaaacaaa aaaggggggt
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407

<210> 3031<211> 423<212> DNA<213> Homo sapien

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60gtactgtata tgagagtaca cattacgaat gctgtgcttt aatgcataaa catgtttaca
120gtggtccaca tgtgccagga gatgtgggaa tggctacccc tgaagtcata tggagaaatg
180gggtcctcat cgcacaccat acacaaacat catctcacia atggattaaa gacacttaag
240acctgaaacc aaaaaaactc ctaggagaaa acacagggga aagctccatg acatcagttt
300cggcgatgat ttttttttgg acatgacact aaaagaacaa gcaacaaaac taaaagtaaa
360caggtgggat tacattgaag taaaaagttt ctgcacaaca aaggaaacaa ccaacaaat
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423

<210> 3032<211> 410<212> DNA<213> Homo sapien

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120gaacttttct ggatttcagt tctttcatcc ggggcctgcc ggtgccgtaa acggccattc
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240accgagcgg agaggccgag gcgtagccta agcgtgggat tccgcgcgtg cgctcggctc
300cgctgggtgc ggccgcccgc gggagggact ggattatgtc ggccccgttt gaagagcgga
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410

<210> 3033<211> 416<212> DNA<213> Homo sapien

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60tggtccgtgc catctaaaag cgctgtgaca ctacccgcca aggtcccggc tttattcctg
120agaccacgaa cccaccggca ggaaccaact ccagactact atgtgctaca gagaacttct
180tcaggccttg aaaaatagaac atagtaaaaa gcggcttctt tgtccatgga tcagcagtc
240ctatttccca gctcgccctc aagagctaac taaagtgcag cataaactgc atgcagcatt
300gttttcacca cagcaaaccc ttccgggtgc ctctagcgg cggtatggga actagcattg
360cgcgagagca ggaatgggcc acttgtgtgt aacaaaagat ggactgcgct tggaag

416

<210> 3034<211> 431<212> DNA<213> Homo sapien

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60cattcatagt agaaagagac tttgggtggg tctaataagg gaaacccgaa gataaattag
120gcattcgggg ctccaacact tgtgaagtcc attttgaata cccaagata cctgtggaaa
180acatccttgg agaggctcga gatgagttta aggtggccat gaacatcctc aacagcggcc
240ggttcagcat gggcagcgtc gtggctgggc tgcctcaagag attgattgaa atgactgctg
300agtacgcctg cacaaggaaa cagtttaaca agaggctcag tgaatttggg ttgattcagg
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431

<210> 3035<211> 335<212> DNA<213> Homo sapien

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120accccagaa gcaaatgata ggtaggcgga ctttcccgc ttgcgcgcat actcagctac
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240gaagggcagg ggttctgtgc catangcggc ctttctgggt cagaggacct tccccatcct
300ccatcatgtg agcagccaga gccgggcgct cgaan

335

<210> 3036<211> 408<212> DNA<213> Homo sapien

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60caggcactga gccaggaaca catcatcggt gcccaggaac agacagtgc caatcaggag
120gaagccgctt acatccaaga gatcaccacg gcagatggcc agaccgtaca gcacctggtg
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408
<210> 3037<211> 353<212> DNA<213> Homo sapien
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353
<210> 3038<211> 352<212> DNA<213> Homo sapien
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240ctttcaatat tatctgtgca cctctggctc tagccactac caatttaaaa gctttttgta
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352
<210> 3039<211> 346<212> DNA<213> Homo sapien
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346
<210> 3040<211> 335<212> DNA<213> Homo sapien
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335
<210> 3041<211> 375<212> DNA<213> Homo sapien
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375
<210> 3042<211> 389<212> DNA<213> Homo sapien
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300aaaacccgctc tttatgtgcc tggaaatccca cctgctcagg tggctagggt ggatggatcg
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389

<210> 3043<211> 387<212> DNA<213> Homo sapien

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120caagaatatt tgcaaagcaa aaacaaatat aaagctgaaa ttctcaaaaa attggagcat
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387

<210> 3044<211> 373<212> DNA<213> Homo sapien

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373

<210> 3045<211> 379<212> DNA<213> Homo sapien

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120ggccggccttg ggaaacagtg aaatcctgtt tctacacaaa ataaaaaaaa ttagtttgct
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240acccagaagt tcaagactgc agtgaactat gatcgaacca ctgaacttca gcctgggcga
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379

<210> 3046<211> 410<212> DNA<213> Homo sapien

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120taaaaaaaaa gaactcctac agaattggacc agaccttcaa gattttgtat ctggtgatct
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410

<210> 3047<211> 396<212> DNA<213> Homo sapien

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60agttggactt acagagagtt ccaagaaact atgacctgc ttacatcct tttgaggtcc
120cacgagaata tataagagct ttaaagctta ccaaactgga acgagtattt gcaaaacat
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300agcgggaattg tatccgtaca atacaagcac atgaaggctt tgtacgagga atatgtactc
360gcttttgtgg gacttctttt ttcactggtg gtgatg

396

<210> 3048<211> 358<212> DNA<213> Homo sapien

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120aagggttca gtatacggtta gttctctcat ctgacctgg ttgctctaata cggtgacatg
180aaatgcaggc tttttaccat cgtaagcagc actaatatga acttggaat atttttaaca
240cgcgaaaggc taacaagatg actcagcaat accaaagaca ggcctgaatg tccgttacta
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358

<210> 3049<211> 413<212> DNA<213> Homo sapien

cgcacgagga agaaaaatgt ttgtaatcta ttcatttgat aaaagaccaa tattcaggat

60attcaagaaa cccaaacaat tcaacagtaa acaataaagc ccatgaaaaa gtaggcacac
120ttttttctatt tacctccata aatagacaat tgtcaaagag agacttacaa atggccaaca
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300gctgatgagg aggtagagaa aaaggaactc ttgtgactg gttggtggaa atgtaaacca
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413

<210> 3050<211> 398<212> DNA<213> Homo sapien

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120ccactttttac ctgtactgat tttttttctt cttttttttt tttaaaaaaa cagggttttg
180ttttgtcact cccaacctgg agggcagggga cccaataata tttccttaca gcctcaaatt
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360agtaaaattt cttaaaaaca aaagggaggg agaggaga

398

<210> 3051<211> 340<212> DNA<213> Homo sapien

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340

<210> 3052<211> 383<212> DNA<213> Homo sapien

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120tttccctgat ggttgatgat ttccaacatc tttcatata cttattagt attatgtatc
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240tattgaactg taatagtttt taaaaaatat atcctaaata caagtctctt atcagataat
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383

<210> 3053<211> 415<212> DNA<213> Homo sapien

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240atccaagtga tttatcgaca catcaaagt gtttgactgt atactgtcag ttgtggtggg
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415

<210> 3054<211> 421<212> DNA<213> Homo sapien

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420g

421

<210> 3055<211> 162<212> DNA<213> Homo sapien

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60agaatatatc ttttatatat tgctgcagtt tccttatggt aatcttttaa cactaaagga
120acatgacata atcataccat agaagggaac acagggttacc at

162

<210> 3056<211> 381<212> DNA<213> Homo sapien

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381

<210> 3057<211> 400<212> DNA<213> Homo sapien

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300tcagcagcgc cgaatgagag agaaacagca ccagcggggg ctgagcgcca gttacctgga
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400

<210> 3058<211> 335<212> DNA<213> Homo sapien

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335

<210> 3059<211> 387<212> DNA<213> Homo sapien

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387

<210> 3060<211> 395<212> DNA<213> Homo sapien

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120tgggctggac ccataaacta agttatatcc gggaaaaaaa aaaaaaaaaa aaacccctt
180aaaaataatg gggggggttt tcccgaacc ccaacctgaa aaaaaccctt ggggggttgg
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395

<210> 3061<211> 399<212> DNA<213> Homo sapien

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120gtggaagaag ttcaaggacc tggagtagtt ggtgaatttc caatcatcat ccaggtcgg
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399

<210> 3062<211> 399<212> DNA<213> Homo sapien

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120tcaagagaaa aagaaaggac agttccatct attgatgttt gagaaatcaa atgagatttag
180gtgagagaaag aaactattgt gggaactaaa tgataagaac ttacgaacac aaagaaggaa
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399
<210> 3063<211> 385<212> DNA<213> Homo sapien
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385
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334
<210> 3065<211> 422<212> DNA<213> Homo sapien
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420aa
422
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421
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398
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120gtgactgagg agatgctatg ggagtgcaag cagcttgggg ctcactcccc ctccaccttg
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421

<210> 3069<211> 386<212> DNA<213> Homo sapien

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120ggagatggaa taggaaaaat acttgaagac ataatggcca aagattttct gaataata
180aaaactaagt ccacagatcc aagatgtctca acaaaccctg agtatgagaa atatgaagaa
240aaatatgcca aggtcatca taacttgctg gaaaccagtg ttaaaaagaa aatcttaaat
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386

<210> 3070<211> 415<212> DNA<213> Homo sapien

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300acagagtctc actctgtcac ccaggctgga gtgcagtggc acgatcagct cactgcaacc
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415

<210> 3071<211> 411<212> DNA<213> Homo sapien

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120gatgatggat ggcccagtgc ctggaggaca gtacacttt gtccttaata gggattttag
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240aatgtgtgta cttcttaggt taacctgcc ttcgtcacct catgaaaagt aagacagact
300taggtggctg actttggagg gttttttttg ttatatttgc tttcattata gatcagcaac
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411

<210> 3072<211> 406<212> DNA<213> Homo sapien

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60agctacagct aggactcgtt tgggtgggg tttttagttt gtctttctaa agtcatgtgg
120accttaattt aattacaaaa gtctaccctg gtggatcatga aataggcagg cctatgaaga
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406

<210> 3073<211> 409<212> DNA<213> Homo sapien

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409

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406

<210> 3075<211> 399<212> DNA<213> Homo sapien

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300gctcgatgct ggacatactt gaccgggggtc atcctagggg aaacactatc ctctgagatc
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399

<210> 3076<211> 425<212> DNA<213> Homo sapien

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425

<210> 3077<211> 404<212> DNA<213> Homo sapien

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404

<210> 3078<211> 376<212> DNA<213> Homo sapien

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376

<210> 3079<211> 326<212> DNA<213> Homo sapien

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326

<210> 3080<211> 393<212> DNA<213> Homo sapien

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360taatgagaac tttctgctgg caccgctat ggg
393
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390
<210> 3082<211> 349<212> DNA<213> Homo sapien
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349
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410
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390
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395

<210> 3087<211> 423<212> DNA<213> Homo sapien

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360caggtgacag ccaccatata cagctaattt ttttgtgtt tttacaaaaa gagagagaaa
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423

<210> 3088<211> 409<212> DNA<213> Homo sapien

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409

<210> 3089<211> 417<212> DNA<213> Homo sapien

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120gtgcaagacc cctctgaaac caaagagcaa gtatcaccgc ctgacacata aactcatga
180cctcgacatt gagacaaaat ctgcgcgtgt gacctaac accactcatt taactccacc
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417

<210> 3090<211> 337<212> DNA<213> Homo sapien

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180tcaagcaatc ctctctttt ggctcccaa aatgttggga ttacagatgg gagccccat
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337

<210> 3091<211> 375<212> DNA<213> Homo sapien

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375

<210> 3092<211> 428<212> DNA<213> Homo sapien

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428

<210> 3093<211> 384<212> DNA<213> Homo sapien

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120aaataactcaa atacctgagg ataatttgct caggagtcaa agtgataaac tagtttaatg
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240aattacacct gctgagcaga tatcccaagg agcatgtgct attttaagat ccccttggtt
300ttcttttgaca gaagagaaat cagcaggagg acgactgatg agcgtgctgg aactggagaa
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384

<210> 3094<211> 345<212> DNA<213> Homo sapien

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120cctccccctct ggttgggagc actgaggaca gtgaggaggg cttttacctt gttaatcctt
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345

<210> 3095<211> 425<212> DNA<213> Homo sapien

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425

<210> 3096<211> 402<212> DNA<213> Homo sapien

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402

<210> 3097<211> 386<212> DNA<213> Homo sapien

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386

<210> 3098<211> 407<212> DNA<213> Homo sapien

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407

<210> 3099<211> 426<212> DNA<213> Homo sapien

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426

<210> 3100<211> 375<212> DNA<213> Homo sapien

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375

<210> 3101<211> 388<212> DNA<213> Homo sapien

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120cccaagaaac acaagaagc aaaaacaaaa cgaaacaaaa aacacacaaa caaatgaaac
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300ataagagaat acagaataac aattcaacaa aatcagaaaa acaatttcta aactgaaaga
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388

<210> 3102<211> 417<212> DNA<213> Homo sapien

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300gtggctgtcg tgaagacatc tgcgtgtgcg ggggtgcgtg gtgcctggag atgaagctgg
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417

<210> 3103<211> 340<212> DNA<213> Homo sapien

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120acttaattag ggtgcctcct acctcttaca caaatgaaat gctttgtgac aggtattctt
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340

<210> 3104<211> 351<212> DNA<213> Homo sapien

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351

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342

<210> 3106<211> 395<212> DNA<213> Homo sapien

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120gtttcccggtt ttcaagggat tctccggcct cagcctcca agtagctggt tttataggag
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240ccaagctggg cttaaagac cctcttattt ttaacttggg tacctgctat tctgcaaaaa
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395

<210> 3107<211> 160<212> DNA<213> Homo sapien

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160

<210> 3108<211> 422<212> DNA<213> Homo sapien

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422

<210> 3109<211> 154<212> DNA<213> Homo sapien

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60gttttgacc caagaagatg cagcagctgc tggggatgc agaccagccc ctgaccctgg
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154

<210> 3110<211> 351<212> DNA<213> Homo sapien

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351

<210> 3111<211> 391<212> DNA<213> Homo sapien

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391

<210> 3112<211> 396<212> DNA<213> Homo sapien

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396
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179
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352
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333
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346
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343
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404

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372

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387

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342

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338

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393

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325

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375

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377

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337

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336

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379

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384

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439

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120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
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373

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369

<210> 3162<211> 421<212> DNA<213> Homo sapien

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240ccccaggatc cgggattccc tggggaaaaa aaaatcaggg aaaaaaaccc ccccttcag
300ggaaggtctt tgtacaaaag ggaaagttt aaaaaaaagg gcgggggaaa aaaaaacgga
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420a

421

<210> 3163<211> 398<212> DNA<213> Homo sapien

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398

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240tgtactagac accctaatag atatgtgcgt gcttgaagga ctctcaaaat ggacaagcca
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396

<210> 3165<211> 408<212> DNA<213> Homo sapien

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240ggaaatcatc cagtagagtt ggagattcag agatttcttg aagccagga catgctccta
300actcctttcc cattaaaggt gttagaatag accagagggg gtcccttttc cacagtaatg
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408

<210> 3166<211> 457<212> DNA<213> Homo sapien

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457

<210> 3167<211> 397<212> DNA<213> Homo sapien

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397

<210> 3168<211> 334<212> DNA<213> Homo sapien

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334

<210> 3169<211> 387<212> DNA<213> Homo sapien

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387

<210> 3170<211> 408<212> DNA<213> Homo sapien

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300aagaattcca aaaggaaaac cttggggggg gcccaacggg ccccggtgcc aataaacttt
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408

<210> 3171<211> 405<212> DNA<213> Homo sapien

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300caccctgccc cagtacaatc ttttttgaac tcaaattttt gctgacatct gagtgcacac
360accacagtgt aaattatgcc ttatcagaat ctaaataaaa atagg
405

<210> 3172<211> 400<212> DNA<213> Homo sapien

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400

<210> 3173<211> 478<212> DNA<213> Homo sapien

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420atttaaaaaa ttaaaaatga aaattacgtt cttacaagct taaagcttga tttgatct
478

<210> 3174<211> 412<212> DNA<213> Homo sapien

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412

<210> 3175<211> 171<212> DNA<213> Homo sapien

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120tcgcaacatg gacgccccct acccggctt tctgtcgggtg caagggcttg a
171

<210> 3176<211> 384<212> DNA<213> Homo sapien

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384

<210> 3177<211> 393<212> DNA<213> Homo sapien

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240tatcttcagc tccccgatga ttatgatact cgtgcttctg agcctgggaa gaagagggtc
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393

<210> 3178<211> 389<212> DNA<213> Homo sapien

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300aaagctcagt ttatgagtct ctgggatgga ttggatactg atcacagctg ccaggtcata
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389

<210> 3179<211> 426<212> DNA<213> Homo sapien

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426

<210> 3180<211> 383<212> DNA<213> Homo sapien

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300ctcacctacc cgacaggatc cagggtgcctg ccagagggac tggggagcgg tcgaggattg
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383

<210> 3181<211> 372<212> DNA<213> Homo sapien

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180caaggaggac aaatacga a tgttgaaaa ccttggatgg atatcttctc tttaaaaaaa
240tgtaaagata atttgggtctt gaggttttaa acggttgata atgcctctac aacaacaaga
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372

<210> 3182<211> 372<212> DNA<213> Homo sapien

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240ttaaaggaaa ccccttgttg gggggcggcc cccttaaggg gggggggggg gttttttttc
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372

<210> 3183<211> 389<212> DNA<213> Homo sapien

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300acggtggggc ctcaacagaa ctctctgact gggggccctg gcccggaccc acccagacga
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389

<210> 3184<211> 451<212> DNA<213> Homo sapien

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120gagtttcaaa acaagatgcc caggaactct ttaaaaatta taccatcttt gagaagaagt
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240aagaagtga ggcgaatcca cacaattatg atgcatgggt tgattacttg cgcttggttag
300aaagtgacgc agaagctgaa gccgtgagag aagtctatga aagggccatt gccaatgtcc
360cacccattca ggagaagagg cactggaagc gctacattta tctttggatc aactatgcac
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451

<210> 3185<211> 409<212> DNA<213> Homo sapien

ggcacgagaa caaagccacc caaactgctt cttctgtcac agattcgttc ccacctgcac
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120ccaaatcaca tcccaatgat caactccatg tgtcaggagt ttttttgcc tggcattgac
180ctgtctgagt gtctgcagta ccagacttc agtgatgggt ctctttataa aaaagtcac
240attgcctttg gcttcatggc tctgatgtg aaatacaatg aagcttacat ttcatttttg
300ttcgtccacc ctgaatggag aagagcaggg attgcaactt tcatgatcta tcatctgatt
360cagacctgca tgggcaagga cgtaaccctt cactatgac caagcaacg

409

<210> 3186<211> 396<212> DNA<213> Homo sapien

ggcacgaggt gactctaggt ataggagtgt ccaggccctg ctcacccagg ctagagctta
60tggagccaga aggaaggagg tgcattgttg ggtgcaggac aggaggga aatactcgaa
120ttgcaagggt agggcacagt ctgtttatat tgggttgaat taactcttct ccgatgcca
180ctaaagcagg aatcacactg cagatggcac tgatttgatt ggcaagagac atgccaggaa
240gaatattaag ggaccaggcc cctataatta ggcctaata tagcctgttg tttgaaaagg
300gcatgaggga cattcatccg gcctggcact gtgccctaga cctgctctcc tgggtagtgg
360ggccctccat tgcaacagag gtgtgggttg gcctgg

396

<210> 3187<211> 412<212> DNA<213> Homo sapien

ggcacgaggg aggccgctgc cgtcgcgcgc cttggttttt ctgttccttt ttttttttt
60tttttaaaac tcttggttaa aaccccccca ccttaaccc caaaaaaat taattacaac
120cggggccctt tggcccaaaa atggccttaa cccctaaaaa tggaaaattt ttgtcctaaa
180gaaccccccc cccgggaaaa aacggggggc cttttttttt gcaaaagggg ttaatccgg
240accacttgt tttttgcaag gccggcttgc gtttgccat tggggaattg gggggaaatt
300gcccttgtct tgtttggaag ggggggggtt attccctgg gaaataaagg gtggttctt
360tttttataaa aaaaacttgt tggaaaacaa acctttttat attactttg an

412

<210> 3188<211> 404<212> DNA<213> Homo sapien

ggcacgagga gagagagcgc gagagagagc gcgtgaggca gagagagaga gagagcgaga
60tggagagaga gagcccgaga gactgtgaga gagccagaga gtttgagcgt gcgcgagcga
120gagagagaga gagagagatg gagcagatga ctgtgacagc ctacaggagg aaaagcacgg
180cttacagaag gatgttctt tcttgaggaa gcagcactat tagcactctg agtcaagatg
240agtgggaaac catctcaata aacacatttt ggataaaaaa aaaaaaaaaa aaaccggct
300ctcggccctt taaaactatg gggggccttt ttccttttat ccgggggggg ggaaaccttt
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404

<210> 3189<211> 334<212> DNA<213> Homo sapien

tacggctgag agaagacgac agaaggggac cagcaaaaaga aggaggagct gctgaatgcc
60atgggtggcaa aactggggaa ccgggaggac cactcccccc aggactcctt tgaaggcgtg
120gacgaggacg agtgggacta gcctgcgccc ccgtcacctc cactcacct gtgctgccac
180ttcctagtgc acacctcacg gctcactctc aagctggaag atacctctct gggcccgga
240catgtcacc ctgcactcct gccttccctg ggcacttcc acatcctctg ggctctggc
300agttcccgag gactgttttc acctctgctg tctn

334

<210> 3190<211> 393<212> DNA<213> Homo sapien

ggcacgagaa aaagcagagt ctgctctact ggccatcatg cgtaaagggg tgctgaagga
60cccagagatt gccgatctat tctacaaaga tgatcctgag gaacttttta ttggtttgca
120tgaaattgga catggaagtt ttggagcagt ttattttgct acaaatgctc acaccaatga
180gggtgggtggca attaagaaga tgtcctatag tgggaagcag acccatgagt tgggtgatgga
240atattgctta ggctcagcct ctgattttatt agaagttcat aaaaaaccac ttcaggaagt
300ggagatcgct gccattactc atggagcctt gcatggacta gcctacctac attctcatgc
360attgattcat agggatatta aagcaggaaa tat

393

<210> 3191<211> 385<212> DNA<213> Homo sapien

ggcacgagga aagctagcag attcttggct tagtattact aataggcagg attgtacaat
60gagcaactat cagattattc ctttcagtgg ttcttatggc atctaaatta ctgaataaat
120tattaatcca ttaatcagtg aatcaaatta tgattacaat tatcaaata atgctcagca
180ttaattgaaa actgttttgt gaaacatgtc taccagaaa agtagcattc tataaatact
240attaaacaac ttagctatat tatttttaag tattaataa tatgtcaagc agctaaagtg
300aatttcagag taaaagtaag gcatgtttct gagcaacatt gataatttct taatttgcaa
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385

<210> 3192<211> 397<212> DNA<213> Homo sapien

cgggcgccctc actgctatgg gccgcaacaa gaagaagaag cgagatgggtg acgaccggcg
60gccgaggctc gttcttagct tcgacgagga gaagaggcgg gagtacctga caggcttcca
120caagcgggaag gtcgagcgaa agaaggcagc cattgaggag attaagcagc ggctgaaaga
180ggagcagagg aagcttcggg aggagcgcca ccaggaatac ttgaagatgc tggcagagag
240agaagaggct ctggaggagg cagatgagct ggaccgggtg gtgacagcaa agacggagtc
300ggtgcagtat gaccacccca accacacagt caccgtgacc accatcagtg acctggacct
360ctcggggggc cggctgctcg ggctgacccc acctgag

397

<210> 3193<211> 395<212> DNA<213> Homo sapien

ggcacgagac cgagctcaca ctgcagagat tctcacttg agcttgcaat gagggacagc
60cttcatactt gcctgactct ttaatacaca cgggagcact cacaccggac atactccctc
120tgcatgttgg gcacgcgcaa aaccattcat tagtgtttct tttctctcga ccacatgaaa
180cgatgcacac agaacataag ccgtatgaat gtaacgttta tgggaaaaca ttcagtttgc
240ccagtttatt tcatagacat gaaaggactc aactggagg aaaaacctat gaatgcgggc
300agtgtggcag atccttcaac tgttggagct gctttcgata tcatggtggg actcacactg
360gagagaaaacc ctatgaatgc aagcaatgtg gaaan

395

<210> 3194<211> 352<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaagggtac ggctgcgata agacgacaga aggggagggtt
60ctatgctcac agtgtaaaaca aaacagggaa gcttgaactt ggtagagccc actgcagctc
120agcaaggcct actgcctcta tagattccac ctctgggggc aaggcatatc tgaacaaaag
180gtagcagaca gcttctccag acttaaatgt ccctgcctga aagctctgaa gagagcagtg
240gttctcccag cacagagttc aagctccaag agtggacaga ctgcctcctc aaatgggtcg
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352

<210> 3195<211> 394<212> DNA<213> Homo sapien

ggcacgaggg aggatgtcct caacacccat tgtggtacg acgtccggct caaactggag
60ctggagcagc agggcttcat ccacacaaa ggctgctggt gccagtttga gaagtggctg
120caggacaacc tgattgtggt ggccgggagtc ttcattgggca tcgccctcct ccagatcttt
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240atatggaatg atgactttga aaaccactgg cttacgcccc ccatttccga ggctcctgctc
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394

<210> 3196<211> 374<212> DNA<213> Homo sapien

ggcacgagga gagagatatt gaacaaaatt ttcgcagcat agcggctcgc tatggaacac

60atgtaggaac tctgaagttg gaatagattc gactgcatta aatggtggcg agagactctc
120tttgatacat taataaaaact gcttgcataa gcagttctat ggaagacact ggtgtaatta
180tgcccgccgc acttgtagcc gttttaatgg tacatattct tgatcttcca catttttctt
240tggttctttt ttcctttttt aggaaaaaca aaacaacaca ctcttcctt atgttttctc
300aagattcaag tgaacacatt tacacatatt aattccttaa agaaccctaa acgtttcctc
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374

<210> 3197<211> 401<212> DNA<213> Homo sapien

cggtgctgtc gagaattcgg aagaagccgg gacccaagcc cggatggaag aagaagcttc
60gttgtagag ggaggagctt cccaccatct acaagtgtcc ttaccagggc tgcacggccg
120tgtaccgagg cgctgacggc atgaagaagc acatcaagga gcaccacgag gaggtccggg
180agcggccctg cccccaccct ggctgcaaca aggttttcat gatcgaccgc tacctgcagc
240gccacgtgaa gctcatccac acagaggtgc ggaactatat ctgtgacgaa tgtggacaaa
300ccttcaagca gcggaagcac ctctcgtcc accaaatgcg acattcggga gccaaagcctt
360tgacagtgtga ggtctgtggg ttccagtgcg ggcagcgggc a

401

<210> 3198<211> 392<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatt tgaggataga atccgaggca ttgatatcat
60taaatggatg gacgctacc ttaaggataa gaccgtgatg ataatcgtag caatcagccc
120caaatataaaa caggacgtgg aaggcgctga gtcgcantg gacgaggatg agcatggctt
180acataactaag tacattcatc gaatgatgca gattgagttc ataaaacaag gaagcatgaa
240tttcagattc atccctgtgc tcttcccaaa tgctaagaag gagcatgtgc ccacctggct
300tcagaacact catgtctaca gctggcccaa gaataaaaaa aacatcctgc tgcggctgct
360gagagaggaa gagtatgtgg ctctccacg gg

392

<210> 3199<211> 134<212> DNA<213> Homo sapien

nncnnnnnnn cctnnccacc caccctgaa aaagcacanc aaaaccctac gctgctggcg
60gagctgcggc tgctgaggca aaggaaggat gaactggagc agaggatgtc gggcctgcaa
120aagagcagyc gggc

134

<210> 3200<211> 393<212> DNA<213> Homo sapien

ggcacgagcc ggaacacgct gtctctcgcg ttccttcggg tggacatcga cgaatttgac
60gagaacaaat ttgtggacga gcaggaggag gcggcgccgg cggcgccgga gccaggcccg
120gacccgagcg aggtggacgg gctcctgcgg caaggggaca tgcttcgggc attccatgca
180gccttgccga actctcccg tcaacaccaag aatcaagctg tgaaggagcg agcccaggcg
240tggtgctga aagtgtcac aaacttcaag agcagtgaaga ttgagcagcg tgtgcagtca
300ctggacagaa acggcggtga cttgttaatg aagtacattt ataaaggctt tgagaagccc
360acagaaaata gcagcgcagt gttactccag tgg

393

<210> 3201<211> 452<212> DNA<213> Homo sapien

cggtgctgtc ggatgttcac caatgtcagc aagaactcaa cctgaattta aaggtggcat
60tccatatact aacatcccc aggtcctctc aagtacttct gctgaaacaa atttatttgg
120ctaggcacta agttgttttc cagtgaatag taactaaaga agcccctacc ttgtccatg
180gattaattcc ttctgttcat tttccaactg cactaattgt gcatattact ctgcctaate
240ttgtgcatgt tttcattgat ttccctctcc cggcttttgc ttctcttgaa actgttgccc
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420atntcatttt caagcagact tgatgtgact tt

452

<210> 3202<211> 403<212> DNA<213> Homo sapien

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60gaagtgaaga atgcaccaga gtggatcaca agatggaatt tagccaaccc tagccttgc
120tgtaaaaatt tttttttttt ttttaaaaat aactgcccgg gtactgactt tgctggcttg
180gaacatctct ttttttttct ttttttctg actaaggctt ttgatgattc tgaattagaa
240agacaaggca tatcttgccg gaagctttta tatttttaaa aaagcctgtc ttcgggactg
300aaacacaaaa tccgcaacat catccaagag tacggcctgg actaccgcct ggtacctctg

360gtccagcttt tctgctcaaa cgagatctcc agaatatggg ctg

403

<210> 3203<211> 404<212> DNA<213> Homo sapien

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60gggtgcttgcg tgccttctgt gtgcgtgaat tatgaatctt ttgaagttgg cgccggacag
120gattcttggtg cttacaactc attagattct gacctacaga tattctttgc cttgggtctt
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240cctacctgta aaggggtctt cactatttat catccgcttg atccagtggc atatagatta
300gaacctatga ttgttccaga ttggacctt taagctggtc tcattccaca tcacaaaggc
360agaaaaagac ttcatthaga attgaaagag agtctctctc gtat

404

<210> 3204<211> 378<212> DNA<213> Homo sapien

cggtgctgtc gcattgatga tcattgctga gatccacact ataattaggg gcggcagaac
60aggtgttttt ctaattctgc tatcccttg gcatttggtta gttggaattc ttctataaaa
120acatagggcg ggtacagtgg ctcacgcttg taatcctagc actttcggag gccaaaggcag
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240actaaaagta caaaaattag ccaggcatgg tggcacacgc ctgtagtccc agctaccag
300gaagctgagg caggagaatc gcttgaaccc aggagacaga ggctgcagtg agccaagatc
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378

<210> 3205<211> 419<212> DNA<213> Homo sapien

ggcacgaggt ttaaggagaa gcctgaggcc ccgactgagc agctggatgt cgcgtgcccc
60caggaaaaact tgcgggtggg cgcgtggccc ccggggggcg cgccggcgcc ctctcagaaa
120agtcgaacat cagttgtgga aatgagaagg aaccagcat gtgtgggtca gccccttctg
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240aaattcgagc aattttctta ttcgagtta aaatgggtcg taaagcagca gaaacaactc
300gcaacatcaa caatgcattt ggcccaggaa ctgctaacga acgtacagtg cagtgggtgt
360tcaagaagtt ttgcaaagga gatgagagcc ttgaagatga ggagcgtagt ggccggcca

419

<210> 3206<211> 409<212> DNA<213> Homo sapien

ggcacgagag atggagagag cgttccagac agctctgttg ttgctgcagc cggaagtctg
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120tgatgtggag cgttttcaga aaatgttcag acaccaagt catgtacagc tgaaggtagt
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300caacagcgtg gcgctgaacg gggatggctg tggcatctgc tctgaaacag aagcagagct
360cattgaagtt tctcacagac tgaactgtct ccgagagctg ctgtggttg

409

<210> 3207<211> 390<212> DNA<213> Homo sapien

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120aattgcccac gaggccccgg gaccggctcc gtgtgattga tgctgcaaa catgcccata
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240gacagtacag gaagaaatgt gcaacgtgtg gactgccgct cttctaccaa tcccagccaa
300agaatgctcc tgttaccttc attgaggatg gagcagtaat caagtttggc cacggttttg
360ggaaaacgaa catatatact cagaaacaaa

390

<210> 3208<211> 350<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggagac aaaaagaaga aagataagaa gaaaaagaa
60ggagaaaaagg aagaaaaaga gaaagagaag aaaaagagg acctagcaaa gccactgtta
120aagctatgca agaagctctg gctaagctta aagaggaaga agaaagacag aagagagaag
180aggaagaacg tataaaacgg cttgaagaat tagaagccaa gcgtaaagaa gaggaacgat
240tggaacaaga aaaaagaga aaggaaaagg cccaaggaaa aagaaagaaa agaacgcttg
300aaaaaaagaa gggaaacttt taactaaatc ccagagagaa gccagagcca

350

<210> 3209<211> 341<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaagggaca atacaatgga aaaatgcata gaaaaacagg
60aaagattttg tcaactaaaa aaacaaagta tgttgcttca acagcaactg gatgatgctc
120gcaacaaagc tgacaatcaa gaaaaagcaa tacttaatat tcaagccaga tgtgatgcta
180gagtacaaaa ctttcaagct gagtgcagaa agcaccgtct ttactagaa gaagacaata
240aaatgttggc caatgaactg aatcattcga aagaaaaaga atgccaatat gaaaaagaga
300aagcagaaag agaagtagct gtgagacagc ttcaacaaaa n
341

<210> 3210<211> 380<212> DNA<213> Homo sapien

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60gatgaagatg atgatgaagg ggaggaagga gaggaggatg aaggagaaga tgactaaata
120gaacactgat ggattccaac cttccttttt ttaaattttc tccagtcctt gggagcaagt
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380

<210> 3211<211> 406<212> DNA<213> Homo sapien

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120tgtctgcta gtttattgtc cagttaactt tagtgacctt taaaagttg gcattgtaaa
180taaaacaact tgcaaaaaaa aaaaaaaaaa attggttttt gacctttaa aatttagggg
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300ttaaaggggg ggaaaaaatg ggtttttttg ggaaaattgg ggggcttttg gtttttttg
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406

<210> 3212<211> 391<212> DNA<213> Homo sapien

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120ccagcccagg atttgtgagg gacagttct gcgactacat gtttcaataa gcagtgaaga
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391

<210> 3213<211> 388<212> DNA<213> Homo sapien

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120tgtctcacat tcctggttct ttcaaagaac tttttttata acttggctctg tttatttcta
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240tatgcacctg gatcccaaga aagctggaac atatttctca aatcaggcag taagaaatgt
300tgagcctata ttttcttgat tccagttgtg gtccatttgc tgtccagtat cacagctagc
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388

<210> 3214<211> 340<212> DNA<213> Homo sapien

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120gctggatctc tgctctggtg gtgccgaagg gcaacacagc agtatacgcg ctcatgctgc
180tgccgcccct gctcttact ggcattgctg tgctaggaat tgtcatgctg aaacgggtga
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300aacattcagg agcaactggc acaggtcagg ctgctgggtt
340

<210> 3215<211> 369<212> DNA<213> Homo sapien

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60aaacgccgta caatcttgac aacttcaaac tcgtttcctt acgtgaagaa gaggattcct
120attaactgtg aacagcagat taatttaaaa ccaattgatg ttgccactga tgaaataaaa
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240caactttaat tgcagggtg tgtttctgtg cagggtcaatg ctgggtccatt agcatatgca
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369

<210> 3216<211> 384<212> DNA<213> Homo sapien

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60acattaattt cagactgaac agacttcaca gcaagaaaag ttatttagga tcaaagaaga
120gtattacaca atgataaaga ggtcagttct ccaaaaaaac atgtctttaa tgtgtatatt
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240atgaatccac tatttatagt tgaagtcttc agcactccta tcagtaatgg acagatgtag
300caggcaaaaa atcaccaagg atatagctga agtgaacagg atcattaatc aactaaatct
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384

<210> 3217<211> 387<212> DNA<213> Homo sapien

cgttgtgtgc gcagatattt caaaaaaggt catgtctttt tatctttgaa atatctattt
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120gacctagcag tccccatct ctactccttc caggaagcca ggcccacaac tcctcctggg
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240ggttctgatt tctcttaca gataggtcca ccttatcttc caaggctcac cttatcttcc
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387

<210> 3218<211> 383<212> DNA<213> Homo sapien

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120gttccggaga agcaaaaact gttccaggta ctgaagtatt ttataggaga tgttacttgt
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240atattgacaat ataaacatta caaaaaaggt caaggacatg taccatagtg ctaatagtgg
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383

<210> 3219<211> 412<212> DNA<213> Homo sapien

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120tgggtgttga ggctgtgtgt ttgcttatac gcagaataag acatcaaaag aacatgttgc
180aaaaatgatg aaagatttag agagcttaca aactgcagag caaagtctaa tggacttaca
240agagaggctt gaaaaggcac aggaagaaaa cagaaatgtt gctgtagaaa agcaaaatct
300agagcgcaaa atgatggatg aaatcaatta tgcaaggag gaggcttgtc ggctgagaga
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412

<210> 3220<211> 133<212> DNA<213> Homo sapien

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120agagaactcg ttc

133

<210> 3221<211> 170<212> DNA<213> Homo sapien

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60tagtttagtt ttctctcttg ccttcccttc tgtgtgaccg accccttggc caaaaaaac
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170

<210> 3222<211> 417<212> DNA<213> Homo sapien

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60gggcacagcc ctctcccaa gggaaagtgt ctttgcataa aatgtatttt ttacttttg
120gaggattctt tttgtataac ttcaataaag attgtaagca aagggtgagg ctttgatggg
180ttttttctta attattggct gaatctgctt tggagcactg cctgggttat atattaacct
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300aacgcggagg tgatcaagtg tgggtgtagg ccctttgttt ccaatgggtgc tatattctgg
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417

<210> 3223<211> 396<212> DNA<213> Homo sapien

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120ggctccttcag tatgcagggt ctgaaaaata cctcaaacac caatcttagg tttacaata
180gtaattgttat ctgtaggagc aagtggggga ggttagtgat attgtggcct ctggctacat
240gacttctgag ccataatttc taatctagtg gctaatttgt tggttttaca aacgcagtct
300ggttcccaag caaggaggga gtttgtttca gggagagtct attaccgtct ttgtttgggt
360ttttgcgttg ctttggtttt tgagccaagg tctcgc
396

<210> 3224<211> 407<212> DNA<213> Homo sapien

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120cagaccatcc accaggcctt tgagaaagg tagaattctg gctggtagag caggtgagat
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240tgaggaagaa tgggtgtggga gagggatgat gaagagagag agggcctgct ggagagcata
300gggtctggaa caccaggctg aggtcctgat cagcttcaag gagtatgcag ggagctgggc
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407

<210> 3225<211> 382<212> DNA<213> Homo sapien

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120aggaagggtgc aggagctcca gtctctaggc ttgggcctg aggaggggtc tctccagcta
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382

<210> 3226<211> 427<212> DNA<213> Homo sapien

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120gtgtctctgtg gcatattatg ctgggaaaga tggtgacaag ataagggaat tctttcaaaa
180gattttcaaaa gaacaaggcc ttgaagttct accagaacat gatccaatac gtgaccaaag
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300tactcttatt cagttccttg gtgatgctat tgttttgcca gcgggagcac ttcacaggt
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427

<210> 3227<211> 398<212> DNA<213> Homo sapien

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120aggagaccag tcccctgtcc tcaccctcac tccgtgagga aatccacctc tgaccttggg
180tcctcagacc aaccagccca aggaacatct caccgatttt aatcagatc tacttggctt
240agctgttgaa gactgatgct gactgatccc ctgagaagcc ccagaccat caggacacc
300aagctttggg taactcttac agtggaggga aggcaggaat gtcaggcctc tgagcacagc
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398

<210> 3228<211> 422<212> DNA<213> Homo sapien

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60aagttttacc attctctatt tgtgccctac aacggctcca ccctttgaaa taacgcctgg
120tctaaatgtt actttttcta gtgggccttc cttgattatc catccactg tgattccttt
180tcctgcccat agcctctccg acaagccttg cattctcatt catatgacct tgtttgcaa
240gctacctgtg ctgtctctgt gtgttttaaa ctattttact gagccaccat gccagccaa
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360tacaaaaaaa gtatagttaa aacatttggt ctacaaatta acctttataa atataattac
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422

<210> 3229<211> 413<212> DNA<213> Homo sapien

ggcacgaggc agagtccatc acttcgccag gtggacatgc tgtgggtgga tgttcccggc
60gtgtgccggg cctgaatgga caggggccac ttcacagcat gtcagggaaa atcactgtca
120cacaattcca atggattttg tgctcttttt tttcaaaaag agcacacaat ccattggaac
180tgagtgtctt ttctgaaaaa taaaaaatct ttagcgtaa cctgaatttt ttttcaatgt
240atccccctggg gaatgaatga aattttgagc tttttcctta cgtaaaacta aatttatacc
300actgacggag agaccctttt tgaaagaagt atggccaaaa ccactttaat gctgctgaca
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413

<210> 3230<211> 146<212> DNA<213> Homo sapien

gcacatcttc tatccaaata aagccttate ttgacctgat ctattaaaac ctgccacacc
60cgccctttcc tacctagatt taatgagccc aagtttttta aatggaagaa atgactctgg
120ggcaaagacc cctaataaac tagggg

146

<210> 3231<211> 380<212> DNA<213> Homo sapien

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60ctctacaatg ctgcagaagt ttctacctgc ctggctggga ggtaggaggg tctggtttgg
120ggatgtggcc ctgaggagag gaccagtgtt tggcagtggc catgtattga tctcccagtt
180cttctctgtg caggtccac gtacctcgga gatttatgtc caccgaagtg gtcgaactgc
240tcgagctacc aatgaaggcc tcagtctgat gctcattggg cctgaggatg tgatcaactt
300taagaagatt taaaaacgc tcaagaaaga tgaggatatc ccactgttcc ccgtgcagac
360aaaaatacatg gatgtggtcg

380

<210> 3232<211> 182<212> DNA<213> Homo sapien

agaacaagtg cttatagggt tgccaccatt gtgacagcag ttggcttctc caagggcttc
60tggtggaat gtgccacaca cagcacaggc atcaccaggt gtgacatcta tagcaccctt
120ctgggcctgc ccgcttgcat ccaggctgcc caggccatga tggtagatc cagtgaatc
180tn

182

<210> 3233<211> 396<212> DNA<213> Homo sapien

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120gcgccggaag ggggcgcact cctcgctttt cctcaatgtg tcgggcagcc ccgcctcccc
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240ccggagggtt gctatgtgac caggcaacat gctgagccgg cttcaggaac tgcgcaagga
300ggaggagacg ctgctgcggt tgaaggcagc cctgcacgac cagctgaacc gcctcaaggt
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396

<210> 3234<211> 342<212> DNA<213> Homo sapien

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60aggattgctt gatttgaggc tggaagcttg aggcggcagt aagaagtgt cacactactg
120cactcttgcc tgaatgacag agcaagaccc tgtctaaaaa aaattttttt ttaagttggc
180tggcgtggtg gtcacaccc ataactctat cacttttagga ggtcgagggt gatgggtcac
240ttgagggtcag gaattcaaga ccagactggg ccgggcgcag tggctcacgc ctgtaatcct
300aacacttttg gaggccgagg caggcgaatc acgagggtcag gg

342

<210> 3235<211> 377<212> DNA<213> Homo sapien

ggcacgaggc caccaacacc atttgtcttt ataatggacc tcaaggccta cgaacagggt
60atgcaactacc ccggctacgg atccccatg cctggcagga tggccatggg ccggtcacg
120aacaatcgg gcctggacgc ctgcacctg gacgcagata cttctacta ccacgggggtg
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240tttaccctcg gatcgaggac aagtgaagaa gcaagagggg gtcgagactt tggggagaca
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360cagaagactt attcacc

377

<210> 3236<211> 390<212> DNA<213> Homo sapien

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120gaggcctccc ccttcctcct cgccatccta ctctccctc ctggtcatcc tcccccttcg
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240cgcccaggcc gccgcctgcc aggtgtcgg gcgtcatggt gccggcgccc atccaagacc
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390

<210> 3237<211> 347<212> DNA<213> Homo sapien

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60tctgcactat agagcaaattg catctaacag atatttacag aacatttcat ccaacagctg
120caaaatacac attctttttc tcaacacatg gatcattctc cagggtagac catatattag
180atcacaaaac aagtctaaca acattcaata aattgaaata atatcaagca tcttctctga
240ccacaatgga ataaaactag aaatcaataa tgagggaattt tggaaactat acaatacat
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347

<210> 3238<211> 139<212> DNA<213> Homo sapien

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60tgtgttactt gacctattt tggaaagttt gaattggcct aggaggaaac cctagaatga
120accaggggta tgtcatcac

139

<210> 3239<211> 399<212> DNA<213> Homo sapien

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60tgtgtgaagg cactgctggg agccattaga acacagatac aagagaagcc aggaggtcta
120tgatggtgac gatttttaaa atcaggaaat aaaagatctt gactctaaaa gaaaaaaaaa
180aagaacgcgt cctagggtcg gatggactaa tcagggtgaa tttctaaaaat cccactttgg
240cagaccctct tgtcttgaat ctggcctttc acaacatgga gggggagaaa aagaagcttc
300tttctctgaa aagagggggg tttttgtttt tttagaaaac taggaggggg gggagcataa
360tggctcaaca gaagagtttt ttctttttat gttcctgtg

399

<210> 3240<211> 387<212> DNA<213> Homo sapien

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240tcccaggttc aagcacttct cgtacctcag actcccgaat agctgggatt acagacaggc
300accaccacac ccagctaatt tttgtatttt ttgtagagac ggggtttcgc caagttagacc
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387

<210> 3241<211> 160<212> DNA<213> Homo sapien

ccctctagag gagcctgata tgcatttcca taaacccga tcaacctcac cacctcttgc
60tcagcctata ttccgccatc ttcagcatat cctgatgaag gctacaaagt aagcgcaagt
120acccacgtaa agacgttagg ttcaggtgta tcctatgatg

160

<210> 3242<211> 379<212> DNA<213> Homo sapien

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120tggaaccccc cgacctcctg agcgagaact actggtggcg tggccagaac acacggacgc
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379

<210> 3243<211> 462<212> DNA<213> Homo sapien
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360tggagtacag acgccgtgta cacgacgccg tcggtcacgg aggccacct gaggtgccg
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462

<210> 3244<211> 392<212> DNA<213> Homo sapien
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180agataagtaa cttacccaac atcacagtca accaggattt gaaccagat agtccacttc
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392

<210> 3245<211> 144<212> DNA<213> Homo sapien
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60cccagttccc caaccactc cttccaaca acaaccagct ccaactgact ctggtcttgg
120aggtgaggct tccaaccac ggaa
144

<210> 3246<211> 433<212> DNA<213> Homo sapien
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433

<210> 3247<211> 232<212> DNA<213> Homo sapien
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120aggtttatct tcttgcaacc agtgaagtcg tctcctccc ttccctggat aactcttcag
180tttgactgtc actgttctgg tgtcaactcc agcgtcggca caggcagaag gg
232

<210> 3248<211> 427<212> DNA<213> Homo sapien
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427

<210> 3249<211> 401<212> DNA<213> Homo sapien
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300cctgtgaccg gcctgtggcc aagaccaaga agaagaaggc tgagggcacc gtgttcaccg
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401
<210> 3250<211> 145<212> DNA<213> Homo sapien
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145
<210> 3251<211> 388<212> DNA<213> Homo sapien
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388
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240tttcagtgc gacatctttg acaaataagct cacaaataga taagccaatg aagatggaga
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380
<210> 3253<211> 154<212> DNA<213> Homo sapien
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60gatggcacia gccatgaagg gtgtcaccaa ggccatgggc accatgaaca gacagctgaa
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154
<210> 3254<211> 460<212> DNA<213> Homo sapien
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300tccccagcct tcagtgtccg ggagattcac gggctgtccg gggggccacgg tgcggactgt
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460
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382
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431

<210> 3257<211> 424<212> DNA<213> Homo sapien

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424

<210> 3258<211> 399<212> DNA<213> Homo sapien

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240atttatacat gaaaaatgga caaggatttg cattagtta tccatcaca gcacagtcca
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399

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180ctccattgca gacagttccc aaaggaggct ggaagtgcaa atgggtgtgt tgggtcagac
240actgtggagc aacatctgca ggtctaagat gtgaatggca gaacaattac acacagtgcg
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344

<210> 3260<211> 423<212> DNA<213> Homo sapien

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300tgcatttttc aacgatgcag aatgcagctg caattgtgtt ttaaggagaa gccacatggg
360gatgggtgtc cctgcaacat ggtgccactc ctgggccatg tgcagcctca gtggacactc
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423

<210> 3261<211> 382<212> DNA<213> Homo sapien

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120aaacattttt aaccacaggc gatttttttt ttaaccgggc ctttgggatt ccaaagttaa
180aaagggtaaaa agaaaaggct aacttttctt ttttttggg ggggggggcc cctgccaaaa
240atgtatttac tttggctcag gggctttatt ggagggccct ggccacctt tggaaaggct
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382

<210> 3262<211> 381<212> DNA<213> Homo sapien

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120ggaaggaggc accgggaggc aatggtggca actcccaagg aggggacca gggatccgag
180aaagggaagac ttgggactgt ggtacagacc tccatgagcc ggtcccagg agccctgctg
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381

<210> 3263<211> 336<212> DNA<213> Homo sapien

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120aggaagtctc cacttccaag atctaggaag acggctacaa atgatgttgt atctgaaaat
180gctaattacc tgagaacacc aagaactctt gtggaacaga agcagaatcc tactgtaggc
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336

<210> 3264<211> 455<212> DNA<213> Homo sapien

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120caggcaccgg gagatccgta gctcagacgc caggacatcc cggaaagctgg gaaatgggtga
180atgtgccagg gactgttgac attcagggat gtggccatag aattctctcg gggggagtgg
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455

<210> 3265<211> 165<212> DNA<213> Homo sapien

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60gtgcatatgt tcccgggagg gataagccag acctgccaac ctggaagagg aatttccgct
120ctgccctcaa ccgcaaagaa gggttgcgtt tagcaaagga ccggt

165

<210> 3266<211> 148<212> DNA<213> Homo sapien

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148

<210> 3267<211> 386<212> DNA<213> Homo sapien

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120cgtcagccac gggcgggtgg acgttgtcaa agccctgctg gcctgtgagg cagatgtcaa
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386

<210> 3268<211> 424<212> DNA<213> Homo sapien

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120ggtgccattt cagtaccaag ctttctgct ccaggtaag gaaccagcag cacaacact
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360gcaaggaagt tctctgcacc tgggcaactg tgcactctca tgacctcgaa cctgggtggc
420tctg

424

<210> 3269<211> 410<212> DNA<213> Homo sapien

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120gttgtttgga gcagaaatac taaagaagat tccggggcca gtatccacag aagtagacgc
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410

<210> 3270<211> 389<212> DNA<213> Homo sapien

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120gccagctgat taacaccaac acaatcgcta atggcactca gcagcacgca cagagtatga
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240atatgggata ctttggagtt gactattaat acttatgcct taagttaacc attttgattg
300caaatagagg acagatgact ttgttttatg gccagtatgt atttgcaata caataatata
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389

<210> 3271<211> 374<212> DNA<213> Homo sapien

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374

<210> 3272<211> 381<212> DNA<213> Homo sapien

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381

<210> 3273<211> 290<212> DNA<213> Homo sapien

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120agagctgact atcccagcct cggctaattg attctacgcc atggatggag ctccacacga
180tttccctcctg cggcagcggc gaaggctcct tactgttaca cctggcgta ccagtggccc
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290

<210> 3274<211> 382<212> DNA<213> Homo sapien

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240ttaaaaacat gcagagcagc cagcctact gcacacctct caatgcagct ttacaggctt
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382

<210> 3275<211> 403<212> DNA<213> Homo sapien

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180gatggagacc tggagttagg tggcttggga gagcttaatg aatagagaac ggagaggagg
240tgtgggttag gaaccaagag gtagccctgg tggcagcaga aggctgagag gagtagggaag
300atcaggagct agagggagac tggatggttc cgggaaatga gcagaggaaa gaggaaagac
360acagagagac gggagagaga agaatagtgg ttttgtatgg cgg
403

<210> 3276<211> 405<212> DNA<213> Homo sapien

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405

<210> 3277<211> 377<212> DNA<213> Homo sapien

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240tgggtgcgag atgtggtttc cagcctgggtg cctgggggtg tgagctagt agtgggtgcag
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377

<210> 3278<211> 384<212> DNA<213> Homo sapien

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120ttgatacatt aaaaaaactg tttgcagaag cagttctatg gaagagactg gaataattat
180ggcctgttaa cgtgtacccg ctttaatggg aatattctt gatcttcaac attgttcttt
240ggttcttttt tcctttttta ggaaaaacaa aacaacagac ttcattcctta gggtttctca
300agatttaagc gaacacattt acacatatca atttcttaaa gaacacagaa tgtttcctcc
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384

<210> 3279<211> 181<212> DNA<213> Homo sapien

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60accctggccc tggccccgag gtggctggga ggtggctct caaaccgccg ctgtctcacc
120gagggccggt gatgcatcag ggatcgactg aggtcttgag ctaactggga aacacagtgg
180c

181

<210> 3280<211> 152<212> DNA<213> Homo sapien

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60aacaaggtaa tgattttagg atctagagtt tgtgaatgag tgctctagaa naaacattcc
120tgtgcacatt gatagagctt ggagttgagg ct

152

<210> 3281<211> 189<212> DNA<213> Homo sapien

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120acctccact tccaagagtt agacaataaa agcctcatca agaaccatc ggagcgagct
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189

<210> 3282<211> 392<212> DNA<213> Homo sapien

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392

<210> 3283<211> 170<212> DNA<213> Homo sapien

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120ccgcacacat caaccgctgc caggtgtgca tgaagaacct gtgagccgga

170

<210> 3284<211> 158<212> DNA<213> Homo sapien
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60ggctctagaa gacctggctg gctttaaaga gctcttccag acacgagggtc acactgagga
120tcaatgacta acgataatac tgccaaagta gcttgcaa
158

<210> 3285<211> 153<212> DNA<213> Homo sapien
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153

<210> 3286<211> 350<212> DNA<213> Homo sapien
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350

<210> 3287<211> 162<212> DNA<213> Homo sapien
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60tcaggggctg gtctcccaga gatgggcaaa agccagcttg cccgttttct ttatgcttca
120agagaaaccc ctcttcttgg gtccagactc tgggtggagt gt
162

<210> 3288<211> 184<212> DNA<213> Homo sapien
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184

<210> 3289<211> 188<212> DNA<213> Homo sapien
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188

<210> 3290<211> 383<212> DNA<213> Homo sapien
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120gtgacagagc gagactccat gtcaaaaaaa aaaaaaagg ggaactcaa attttctttt
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383

<210> 3291<211> 158<212> DNA<213> Homo sapien
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120agactaacct ccaagtggct ttatggacgc tgcataatg
158

<210> 3292<211> 378<212> DNA<213> Homo sapien
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120gaaccctgag tgccgctatg tggccagcag ctccaaggat ggcagtgtgc ggatctggga
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378

<210> 3293<211> 342<212> DNA<213> Homo sapien

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120tgaactgcc ctgtataacc agccatcaga taccaagggtg taccatgaga acatcaagac
180tggagtagct gcaaggcgca tgatgaaaaa ccagggtgatg aggaaaaaac tcattttatt
240tttttaaaaga agaaatcatg catgaaaaa aagggaacaa aaaatctgcc agcgttatga
300tcagctcatg gaggcattgg agaaaaaagt ggacagaata gn

342

<210> 3294<211> 396<212> DNA<213> Homo sapien

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120gagaaaaata ctgccaaacc caaatgaca taacaagtac catcaatggg tccagccatt
180gccttttgaa actatagacc tggaattcaa agtggaggaa ccattgaaca aaaggctatt
240aagcggtac caggcctgaa ttttgatgat .aatggaaaaa ggaacaaca atttttgagg
300agggagaag atcagatttc aaacgaaaag gcacatactt gcctatgcta attataaaca
360caagctctac cgataaatac agacatgcc ccaaat

396

<210> 3295<211> 187<212> DNA<213> Homo sapien

cattctcgag ggagcgcgag gaatgcctcc gcatgagatc aagtttgctg tccatgtcta
60atcggtgctc aaccgcgtgc cgcagccga ataccggcag ctgctggagg aagccatcat
120ggagctgacg ctgctctcgg acacggagat gaccagcatc gggggcatca tccacgtgga
180ccagatc

187

<210> 3296<211> 163<212> DNA<213> Homo sapien

aaccttcaac ctgcgcatca ncttcccgcc ggagtatccg ttcaagcctc ccattgatcaa
60attcacaacc aagatctacc accccaacgt ggacgagaac ggacagattt gctgcccatc
120atcagcagtg agaactggaa gccttgacac aagacttgcc aag

163

<210> 3297<211> 156<212> DNA<213> Homo sapien

cattgccatc caccgtggga tgccccaaga ggagaggctt tctcggatc agcagtttaa
60agattttcaa cgacgaattc ttgtggctac caacctattt ggccgaggca tggacatcga
120gcgggtgaac attgctttta attatgacat gcctga

156

<210> 3298<211> 345<212> DNA<213> Homo sapien

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120taccctctc cagacaacag cctctacacc aacgccaagg gcagaccat ctctgccttc
180gatgggggag gtgtgggagg ttttttatcc tttctccgta tgacttcaca ccagatgcta
240tctgcctctg gtacgaatt tctcatttcc tgacaatccg aaaatactat tagtttacc
300ccgtcagcta atcctttctt catcgagtgc catacccca ctacg

345

<210> 3299<211> 422<212> DNA<213> Homo sapien

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60tgagcgggag tggcacaat tctgctgga gtacattgcy ccatgacag agaagctcta
120ccccggctac tacaccaggg ccaggttga cctggccttt gtcgtccgct acaagcctga
180tgagcagcac tttggccagt ggtctgtgtg cagcaacaag gacaaccact gccagcagc
240ctctgggacc tcgtggtccc agggaaacca gtccagactc ctggctgttg acttccatt
300gtcttggag ccaccaatca aagagattca aagagattcc tgcaggccag aggcggaaca
360cacctttatg gctggagctc tccgtgggtga tctggacca gcctctggag acaccattca
420ct

422

<210> 3300<211> 182<212> DNA<213> Homo sapien

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60cacacatgag ctctaggaga gaaaactgag atcactgggg caatgaccat gactttctgtg
120gtcatcagtc catgaccctt ggagagaaag ccctgacccc tgtgggtatc aatctgtgac
180ca

182

<210> 3301<211> 391<212> DNA<213> Homo sapien

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60caattgccaa aagtgttagg tggcgacagt gctatgaggg ccttcagaa cacggcaact
120gcatgtgcac cagtatcaca ttatcgagct gttgaaagtg tggattcaag tgaagaaagt
180ttttctgatt cagatgatga tagctgtctt tggaaacgca aacgacagaa atgttttaac
240cctcctccca aaccagagcc ttttcagttt ggccagagca gtcagaaacc acctgttgc
300ggaggaaaga agattaacaa catatggggg gctgtgctgc aggaacagaa tcaagatgca
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391

<210> 3302<211> 380<212> DNA<213> Homo sapien

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120gaggaactcg tggcgggagg tgtggaatta ttcacctaa cctgaccttt tgtttagtgt
180acagcattgc tttctgtgtt gccaatcttg gctcatagca gatgcatagg aatgagctcg
240agccttccct cttttgtctt cggatatatt cttcctcttg ggaacatgag tccacttcga
300actgcttccct gtatgtttgt ccagctgtat tggcaacttc tgcataagga tcatgagtct
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380

<210> 3303<211> 175<212> DNA<213> Homo sapien

ggcacgaggc ttttgagacc aggggtgtct tgtctgtgct ccgcctcgcc atgacttcc
60acagctatcg ccagtcgtcg gccacgtcgt gcttcggagg cctgggcggc ggctccgtgc
120gttttgggcc ggggggtcgcc tttcgcgcgc ccagcattca cgggggctcc ggccg

175

<210> 3304<211> 356<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtaa cacggattct tcacattcta atcctcctga
60gtcaaactct gatcctgtcc actcagagtt ctgaaggggg ccagatgttg ggtgcagatg
120tagaagcagc cagtcacaga ccattcttat gcaatggaca tttatttgaa aaaaattctc
180aaaagtcttt tttttttttt tggggggggg gggtttttaa gctgttttta cctccgagac
240tccactttta agggacccag ggaattaagg catataaaat ttacccccc aagattaaaa
300gcccaggaag aggttcaacc catgtgagaa ctgccctcct aggaaagggt ttaagg

356

<210> 3305<211> 170<212> DNA<213> Homo sapien

atggataaga acaagatggg cttgaaaggc cttttgaaga cccaatagc agccgggcac
60ccatctatga atttactgt ggcagaaaca ttgaccttt actcgaatgt ccgacctgt
120gtttctatcg aaggctatac aacccttac accgatgtaa atattgtgag

170

<210> 3306<211> 413<212> DNA<213> Homo sapien

ggcacgagaa agctttcagg cagagctcag agctgattac tcacagaga atacatagt
60gagagaaacc ctatgaatgt agtgaatgtg gaaaagcttt cagtttgagc tcaaacctta
120tcagacatca gagaattcat agtggggagg aaccttatca gtgtaatgaa tgtggcaaaa
180ctttcaaaa gagctcagcc cttgttcagc atcagagaat tcattctggg gatgaagctt
240atatatgtaa tgaatgtggg aaggctttca ggcacagatc ggtccttatg cgccatcaaa
300gagtccacac tataaagtaa tttgtgaata ctgtgaatag tgtaaatact tcagtcagat
360ttttaagttt gttagtcaaa agagtctact ttggagcaaa actccataaa ggt

413

<210> 3307<211> 402<212> DNA<213> Homo sapien

ggcacgaggc aatgtcaagt ttgtccagga tacatccaag ttctgttaca agccacacct
60gtcccgtgac caagccattg cctgtctgaa ggacaaggac cctggggcct tctgatcag
120ggacagtcac tcattccaag gagcttatgg gctggccctc aaggtggcca caccgccacc
180cagtgccag ccctggaaa gggacccctt ggaacagctg gtccgccatt tctcatcga
240gactgggccc aaaggggtga agatcaaggg ctgcccagc gagccctact ttggcagcct
300gtccgccttg gtctccagc actccatctc ccccatctcc ctgccctgct gcctgctcat

360tcccagcaaa gatcctctgg aagagacccc agaggctcca gt

402

<210> 3308<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggaagcaatg aatagcatgg gaggatttgg aggagttggc cgaatgggag
60agctgtaccg tgggtgcgatg actagtagca tggagcgaga ttttgacgt ggtgatattg
120gaataaatcg aggctttgga gattcctttg gtagacttgg tggaggaaatg ggtagcatga
180acagtgtgac tggaggaatg gggatgggac tggaccggat gaggttccagc tttgatagaa
240tgggaccagg tataggagct atactggaaa ggagcatcga tatggatcga ggatttttat
300cggtccaat gggaagcgga atgagagaga gaataggctc caaaggcaac cagatatttg
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388

<210> 3309<211> 387<212> DNA<213> Homo sapien

ggcacgaggg ccagcggtag caactgtaga actgcaggag actatctttc tagacaaggc
60agttgaggag gaggagcgc ttgaggggga ctggcctggc gtgcactccg cacctcgggg
120acattattgc gcgtggaacg gctgcttttg gaagactatt gccagaaga aaagattgtt
180ggttttcaca agccaaagat gtaccgaagt atagagggct gctgtatttg cagagctaag
240tcctccagtt ctgattcac tgacagtaaa cgctatgaaa aggacttcca gagctgtttt
300ggattgcatg agactcgttc aggagacatc tgcaatgcct gtgtcctgct tgtgaaaaga
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387

<210> 3310<211> 422<212> DNA<213> Homo sapien

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60aaccggccg tgggatcccg gataggagga ggaggggacc cataggacgc gttacatgg
120acctggaaaa caaagtgaag aagatgggct taggtcacga gcaaggattt ggagcccctt
180gttttaaatg caaagaaaaa tgtgaaggat tcgaactgca cttctggaga aaaatatgtc
240gtaactgcaa gtgtggccaa gaagagcatg atgtcctctt gagcaatgaa gaggatcgaa
300aagtgggaaa actttttgaa gacaccaagt ataccactct gattgcaaaa ctaaagtcag
360atggaattcc catgtataaa cgcaatgtta tgatattgac gaatccagtt gctgccaaga
420an

422

<210> 3311<211> 441<212> DNA<213> Homo sapien

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60caactgcaga actgcaggag actatctttc tagacaaggc agttgaggag gaggagcgc
120ttgaggggga ctggcctggc gtgcactccg cacctcgggg acattattgc gcgtggaacg
180gctgcttttg gaagactatt gccagaaga aaagatgttt ggttttcaca agccaaagat
240gtaccgaagt atagagggct gctgtatttg cagagctaag tcctccagtt ctgattcac
300tgacagtaaa cgctatgaaa aggacttcca gagctgtttt ggattgcatg agactcgttc
360aggagacatc tgcaatgcct gtgtcctgct tgtgaaaaga tggagaagt tgccagcagg
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441

<210> 3312<211> 382<212> DNA<213> Homo sapien

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60aaccgactga cctggatagt agttgttctt cagtgtcttt ttccttgag ccactcctgt
120aataacagct acttttttgt atggttatga tcccaaacct gcaggaaatc ccactaaagc
180atagttgtat actatcttta actggttttt cacgatgggg cactaggaat ctgcacatta
240atcttgcaca gaggacttct acagagtctg agaagatatc atcatgctga atctgatcat
300actgtttttt aaaagttaa ggataagaca tgtgtatatg taacaaaaca cattgcatct
360agaaatcaaa acttgaaagt ag

382

<210> 3313<211> 385<212> DNA<213> Homo sapien

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60cagcagat cgtatatttg agatcacgga tgaatccccg tacgtccact acctcaacac
120attcagcagc aaggagcctc agagagggat gggttacatg cccaagaggg gacttgatgt
180taacaaatgt gagattgcca gattcttcaa acttcatgag agaaagtgtg aacctattat
240tatgactgtt cccaggaagt ctgacctttt ccaagatgac ctgtatcctg acacagcggg
300gccagaggcc gcgctggagg cagaagagtg gttcgaaggc aagaatgcag acccaatcct

360catctccttg aagcacgggt acatt

385

<210> 3314<211> 456<212> DNA<213> Homo sapien

ncaggtaaac tagnnctntg cgnnncngnca nnnngncaaaa ngcaggagcc cattttattct
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120agaagagggtg aagatatattg ttggattaaa accaataaaa acaatecttg gaagactaag
180acttttagatc caaaggctgt ctttcagaga acaaaggaac actgcctcat ggggatcaaa
240ggaactgtga agcgtagcac agacggggac ttcattcatg ctaatgttga cattgactta
300attatcacag aagaacctga aattggcaat atagaaaaac ctgtagaaat ttttcatata
360attgagcatt tttgtcttgg tagaagacgc cttcatctat ttggaagaga tagtacaatt
420cgaccaggct ggctcacagt tggaccaacg cttacg

456

<210> 3315<211> 329<212> DNA<213> Homo sapien

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60ggggttgga gcaaacgcac aagaagtgtt ttctgggaag gctccggtag cgaaaaccga
120acttggggct ggatatttag aaaataaagc attcgcataa tacaatgaac tcataatttg
180gccggatgat ttgtaggcag ggacgtttta gtgtcggttt tacgagattc cttgatatat
240tacagaatta gagtccagat ttacaccaa aaggaccccc tttttcctct ccggaccacg
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329

<210> 3316<211> 414<212> DNA<213> Homo sapien

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120cgggagaacca ggccctgcag cagcagcttc accaggagca agagcagctc tacctgaggt
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240agatggtgac tccactgatc aagaacttct tctgaggaca gacaggaatg gccttgatga
300agatgacagg catggccggg gtcagctctt tcagccgcgc ttcagcgatg actccagtct
360gggtgtccca gcgagcccct gcagggacag tatggctgag ggtcacgtgt gctg

414

<210> 3317<211> 380<212> DNA<213> Homo sapien

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120agctgtgctt tgggaagcag ctcttctctg aggtgtgga acggagccag gcgctgccc
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240acccggccat cgaggaccag ggtggggagt acgtgcagcc catgctgagc aagtacgcgg
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380

<210> 3318<211> 427<212> DNA<213> Homo sapien

taaaacagac agagataagt acaacagaat atctcgggaa tggactcaga agtatgccat
60gtgatgtac cttaaagtca gaataacctg cattatagct ggaataaact ttaaattat
120gttctctttt tgattttctt atccggctgc tccctatca gacctatct ttttaattt
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240ccagcttttg acaataactg cttttagaaa ctgtaaagta gttacaagag aacagttgcc
300caagactcac aatttttaaa aaaaaatgga gcatgtgtat tatgtggcca atgtcttcac
360tctaacttgg ttatgagact aacaccattc ctactgctc taacatgctg aagaaatcat
420ctgaggg

427

<210> 3319<211> 408<212> DNA<213> Homo sapien

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120aagtcttggt tttatcttaa tccattaaaa agttgttctt tgttccagc ttgcattgat
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240cgttggtatt attcattatg gtagaatcat ttttaattca cgtgctttgt gttcagtttt
300gtggtctgag agatgtacca attgtcaaat taccgtgtac cacctaattg ttataggaga
360aagcaaaaata catcagcttg gtagttaaca catcanatat ttcttgct

408

<210> 3320<211> 393<212> DNA<213> Homo sapien

ggcacgagaa ggtgttacag cacatgaagg ccgtgcaggc agatcatgag cggcagaggc
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120aggaagctca tgagcgggaa ctgcggaagc gggagaaggc ggaagagaag gagcgccgga
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240aagcaaatca ggccccgaaa tctaagtctg gctcccgtcc ccgcaagcca ccaccccgga
300agcacactcg ttcttgggct gtgctgaagc tgctgctgct gctgctgcta tttggtgtgg
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393

<210> 3321<211> 423<212> DNA<213> Homo sapien

ggcacgagac gacttcttga acagaaaaca ctagaagtc aaaaaaagaa gcaacaagat
60gattctgatg aatatgatga tgacgactct gcagcctcaa cttcatttca gccacagcct
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240ccaggaatgc caccagttat gccaggcatg ccacctggat tgcatcatca gagaaaatac
300accagtcct tttgcgggtga aacataatg atgccaatgg gtggaatgat gccacctgga
360ccaggaatac cactctgat gcctggaatg ccaccaggtg tgccccacc tgttccacgt
420cct

423

<210> 3322<211> 397<212> DNA<213> Homo sapien

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60tcacgtgatg tggctctct aattttgggt acaggtcagt tcaccgggac ctggaggccc
120agattgcatg cgtgacggag aaccaggccc tgcagcagca gtttcaccag gagcaagagc
180agctctacct gaggtcaggt gtggtgtcct ctgccacctt cgagcagcgg agtcgccagg
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300gaatggcctt gatgaagatg acaggcatgg ccggggtcag ctctttcagc cgcgttcag
360cgtgactcc agtctgggtg tcccagcgag cccctgg

397

<210> 3323<211> 398<212> DNA<213> Homo sapien

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180ttctcacaa caggagcga gaacaaaaag aggaggatct agagaaaaag gagctgaact
240ccttatatat atacagtttt ataaaagaag ccaatacact gaacctggct ccctatgatg
300cctgtggaa tgctgtcga ggagacaggt gggaagactt gtccagatca catgtgcgt
360gctatgtcca catcatgaaa gaagggtctt gctctcgn

398

<210> 3324<211> 399<212> DNA<213> Homo sapien

ggcacgaggt tcgttggcg gtgctggttt ttgctcgtc gactgcggct ctctctcggg
60cagcgggaagc ggcgcggcgg tcggagaagt ggcctaaaac ttcggcggtg ggtgaaagaa
120aatggcccga accaagcaga ctgctcgtaa gtccaccggt gggaaagccc cccgcaaaca
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300gctgtcatc cggaagctgc ccttccagag gttggtgagg gagatcgcgc aagatttcaa
360aaccgacctg aggtttcaga gcgcagccat cggtcgct

399

<210> 3325<211> 439<212> DNA<213> Homo sapien

ccttttgata agnttcgacg acnccagca gganccatg gagtcgaatt cggcacgagg
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120ggcagtacta cgagatgctt tacaacacag ctgacgagct cctgaacctg gtggtggacc
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360agggcgact gcggttggtg acgggggtcc cctcagtcac actcactttt tttccttgg
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439

<210> 3326<211> 429<212> DNA<213> Homo sapien

ggcagcagct ctactcaata gtccccccag ctttgtgtgc tgggtctcggg gcttcatgga
60gatgaatggg cgggggggagt tgggtggagtc actcaagaga ttctgtgctt ccacgaggct
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300gtgggcactt ttcgtccctt tcacggngta atcaagaaag gtggcttcgt ccctgtcatc
360gccactaag ggaagccaat gaggagggtg cacttcgtgt accacaactt gtggcccaag
420aattggccc

429

<210> 3327<211> 449<212> DNA<213> Homo sapien

tgtggatccc agcattcaat tccgtgctgt cgaacaagc cctgaagttt gcatgagatg
60cttcaaaactg aaggcagcca gtgtgctaaa acatttataa atctgatgac tcatatctgc
120aaagaacaga ccgttcagta tatactaact atgggtggatg atatgctgca ggaaaatcat
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300gccaaagttag cagcttgggg aaaagaactg atggaaggca gcgacttaca ttactatttc
360aattggataa aaactcagct gagttcacag aaactggcgt gtancggtgt tgctgttgaa
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449

<210> 3328<211> 398<212> DNA<213> Homo sapien

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120aacctcagtt cccactggcc tgagacttcc gccgccagac agactgctca ttactagcag
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240actcccacct cctgagaaag tactatcagc tgtgggtccag acccttgtag ctaaagaaaa
300agcactgagg cctgtggacc agaatactca gtcaaaaaat agagctgctt tgggtgatga
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398

<210> 3329<211> 426<212> DNA<213> Homo sapien

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300gtgggtcactt ttcggccctt tcacgggtgta tcaagtaagg tggcttcgtc ctggctcatc
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420atttgt

426

<210> 3330<211> 399<212> DNA<213> Homo sapien

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60aaacagcctt ggaggtgatg tcttatttgt ggggaaacat caccactcc atgacttcat
120tttagagctg taccagacag gttccacaga gccagtggag gtacccctg aactatgtca
180tgggattcaa ggaaagttt ctttggatga agaagccatt cttccagatc aaatagtatg
240ttctcctgtt cctatgttaa gggatctgac acagaacct gtatgcagta ttaattttaa
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399

<210> 3331<211> 402<212> DNA<213> Homo sapien

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240cgctacctgt acatcatgga cttgcggaca gagagcctga ttagtctgtg gcctctgcca
300gagtacagga aatcaaagag aggtcaagc ttcctggcag gcgaagcatc ctggctgaat

360ggactggatg ggcacaatga cacgggcttg gtctttgccca cc
402

<210> 3332<211> 372<212> DNA<213> Homo sapien

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120aagaagatga cattcactta gtgacattat gtgtgacaga attaaatgac cgggaagaaa
180acgaaaacca ctttccagta atatatggca ttgctgtcaa cattaagact gcagagattt
240acagagcatc ctttcaagat cgggggtccgg aggagcagct tcgtgctgcg cgaactttag
300caggaggacc aatgattagc atttatgatg cagagacaga gcaacttcgt ataggaccgt
360actcctggac cg
372

<210> 3333<211> 436<212> DNA<213> Homo sapien

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60gaggagaaac tccggtcggg tcagctctcc tacaagaag atccagtggg atggcaaaga
120ttgttggtc agactgttgc taacagggaac tctgaagccc gggctttcaa gccagaaaca
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240actgtgaaca tgggtcagaa acaggaaatt ctggatctct tttcttctagt actctatgaa
300tgtgttacc aggagacccc agagatgttg cctgcataca tagcaatgga tcaggctata
360agaagacttg ggagaagaga aatgtctgag acttctgaac tttggcagat acagatggtg
420ttagagtttt tcagct
436

<210> 3334<211> 377<212> DNA<213> Homo sapien

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120aagaagatga cattcactta gtgacattat gtgtgacaga attaaatgac cgggaagaaa
180acgaaaacca ctttccagta atatatggca ttgctgtcaa cattaagact gcagagattt
240acagagcatc ctttcaagat cgggggtccgg aggagcagct tcgtgctgcg cgaactttag
300caggaggacc aatgattagc atttatgatg cagagacaga gcaacttcgt ataggaccgt
360actcctggac accattn
377

<210> 3335<211> 408<212> DNA<213> Homo sapien

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120ggaaattacg atatgaaata gatactggag aagaaacaaa atttggttaac ccagaagatg
180ttgccagact gatatttagt aaaatgaaag aaacggcaca ttctgtattg ggctcagatg
240caaagtatgt agttattact gtcccgtttg attttgaga aaagcaaaaa aatgctcttg
300gagaagcagc tagagctgct ggatttaag ttttgcgatt aattcacgaa ccgtctgcag
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408

<210> 3336<211> 421<212> DNA<213> Homo sapien

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120gcaagtcaag gggactcttt gcaggcgtgt ctttagaagg gagctgtttg attgaaagga
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240atacaccgcg gcctgtctca gccgaagatc tttatgaaat tcttgattcc ttactgaaa
300agtatgaaaa tgaaggacaa cgaatcaatg caagaaaagc agcaaggag cagaggaagt
360cttctgctaa agaattacct ccaaagccat tgtcaagacc acagcagtca tctgcaccag
420t
421

<210> 3337<211> 455<212> DNA<213> Homo sapien

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120tgctgtgtc aagtgttaaa acccgagggt tctttattca ttactacaat caacaaaaca
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300aatgagctgt caggttcaac agtgtgagga atgctctata acccttctc aggttactgt

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455

<210> 3338<211> 417<212> DNA<213> Homo sapien

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240cttccggatc tctccacacg ccttcttcca ggtgaacaca cccgcagccg aggtgctcta
300cacagtcac caggactggg cccaattgga tgcggggagc atggtgctgg acgtgtgctg
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417

<210> 3339<211> 414<212> DNA<213> Homo sapien

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360tgtgttttaa cttaactgtg attgcatcga gttgtacccc acaaacttct ggat

414

<210> 3340<211> 387<212> DNA<213> Homo sapien

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240ccttgatgat cctcagcagg tttctagatc acattaagaa tgaggacagc ccagggcctc
300cagttggcag ccaccatgcc tttttctccg acgaccagga gccctaccct gtgactgata
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387

<210> 3341<211> 415<212> DNA<213> Homo sapien

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300gatgtggacg agtgtgcggc cgagccgct cctgcagcg ctgcgcagtt ctgtaagaac
360gccaacggct cctacacgtg cgaagagtgt gactccagct gtgtgggctg cacag

415

<210> 3342<211> 398<212> DNA<213> Homo sapien

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398

<210> 3343<211> 374<212> DNA<213> Homo sapien

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300aatagagagg gcgtcccat gcgtaagggc gagcacctgg gcgagttcaa cctgggctcc
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374

<210> 3344<211> 405<212> DNA<213> Homo sapien

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360atcaactaca caggacagcg gngcgtgtg gggcgtgctt cctgg
405

<210> 3345<211> 425<212> DNA<213> Homo sapien

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420cccat
425

425

<210> 3346<211> 410<212> DNA<213> Homo sapien

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300cagaataata tgtggattcg agaccatgag gatagtgggt ctgtacattt ggggaccca
360ggtccatcca gtgggggctt ggcctcccag agaggggaca actccagtga
410

<210> 3347<211> 408<212> DNA<213> Homo sapien

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360gctggctgac ggctacaatg tgcactatgg cgccgctcc atcaaagc
408

<210> 3348<211> 417<212> DNA<213> Homo sapien

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417

<210> 3349<211> 426<212> DNA<213> Homo sapien

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426

<210> 3350<211> 461<212> DNA<213> Homo sapien

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360tttatttgtt tgggtggctgg gatggaacac aagatcttgc tgacttctgg gcgtacagtg
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461

<210> 3351<211> 419<212> DNA<213> Homo sapien

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419